RIVERSIDE CALIFORNIA

PUBLIC WORKS DEPARTMENT

REHABILITATION OF ARTERIAL STREETS 1996-1997

STPL - 5058 (044)

CONSTRUCTION LEGEND

CENTER LINE —— ℄ ——
RIGHT-OF-WAY —— R/W ——
SUBDIVISION LOT LINE —— PL ——
TOP OF SLOPE
TOE OF SLOPE
DIRECTION OF FLOW

GENERAL CONSTRUCTION NOTES

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1997 EDITION.
2. EXISTING UTILITIES SHOWN ON THIS PLAN ARE PLOTTED FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT SHOWN ON THIS PLAN. IF THE COVER OF A UTILITY IS KNOWN, IT IS SHOWN IN THE PROFILE. UTILITIES SHOWN IN THE PROFILE AS ——?—— INDICATES THAT THE COVER IS UNKNOWN, BUT THE UTILITY IS NOT EXPECTED TO CONFLICT WITH THE PROPOSED IMPROVEMENTS.
3. ALL ELEVATIONS SHOWN ON THE PLANS SHALL BE STAKED IN THE FIELD.
4. PRIME CONTRACTORS BIDDING THIS WORK SHALL HAVE A CLASS A OR C-12 LICENSE.
5. THE SEAM BETWEEN PASSES OF THE AC OVERLAY SHALL COINCIDE, AS CLOSE AS POSSIBLE, WITH THE LANE LINES.
6. AFTER REMOVAL OF CURB, C&G OR EP GREATER THAN 50' IN LENGTH, THE CONTRACTOR SHALL ALLOW 96 HRS AFTER REQUESTING SURVEY FOR SCHEDULING SURVEY AND PROCESSING GRADE SHEETS FOR REPLACEMENT OF THE IMPROVEMENTS.
7. ALL CRACKS IN PAVEMENT LESS THAN 1" IN WIDTH SHALL BE FILLED WITH A RUBBERIZED ASPHALT MATERIAL AND ALL CRACKS GREATER THAN 1" IN WIDTH SHALL BE FILLED WITH F-AR-4000 A.C. PRIOR TO APPLICATION OF ARHM (SEE SPECIAL PROVISIONS).
8. MANHOLES AND VALVES WITHIN THE GRINDING OR PAVEMENT REPLACEMENT LIMITS SHALL NOT BE ADJUSTED TO GRADE. INSTEAD, ENOUGH GRINDING (OR PVMT. REMOVAL BY OTHER MEANS) SHALL BE DONE TO PROVIDE A SMOOTH FINISHED SURFACE TRANSITION AROUND THE COMPLETE CIRCUMFERENCE OF THE STRUCTURE AS NOTED PER PLAN. EXCEPTIONS TO THIS ARE WHERE MH'S AND VALVES ARE WITHIN PVMT. REMOVAL AREAS BUT ARE TOO CLOSE (WITHIN 3') TO THE ADJACENT PROPOSED A.C. OVERLAY.
9. PULL BOXES FOR SPLICING TRAFFIC LOOP DETECTOR CONDUCTORS AND LEAD-IN CABLE ARE NORMALLY ADJACENT TO DETECTORS, UNLESS OTHERWISE SHOWN ON THE PLAN.
10. RESURFACING LIMITS SHOWN AT INTERSECTIONS ARE NOT ABSOLUTE. THE INSPECTOR MAY REQUEST GRINDING AND PAVING INTO SIDE STREETS TO IMPROVE RIDE QUALITY AND OTHER STREET CONDITIONS.
11. PLANS DO NOT TYPICALLY INDICATE LOCATIONS OF WATER VALVES OR FIRE HYDRANTS TO SIMPLIFY PLAN PREPARATION EFFORT; HOWEVER, THESE FACILITIES MUST BE LOCATED DURING CONSTRUCTION TO MAKE VALVE BOX ADJUSTMENTS AND BLUE HYDRANT MARKER INSTALLATIONS. THE VALVE BOXES MUST BE "TIED OUT" AS PART OF THE CONTRACTORS WORK.
12. PAVEMENT PREPARATION SHALL CONSIST OF REMOVAL AND REPLACEMENT (R&R) OF DETERIORATED PAVEMENT AREAS AS MARKED BY THE INSPECTOR AT THE TIME OF CONSTRUCTION. QUANTITIES SHOWN ON THE PLANS ARE BASED UPON R&R SECTIONS AS LISTED IN THE STRUCTURAL SECTION TABLE.

SPECIFIC CONSTRUCTION NOTES

⬢ NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY. UNLESS MODIFICATIONS ARE NOTED ON THE PLAN OR COVER SHEET. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.

⟨ADJ⟩ ADJUST SEWER, STORM DRAIN, ELECTRIC OR WATER MANHOLE OR GATE VALVE TO GRADE. ADJUSTMENT TO GRADE OR RELOCATION OF GAS AND TELEPHONE COMPANY'S FACILITIES WILL BE DONE BY OTHERS.

⟨ARHM / 0.1⟩ CONSTRUCT ASPHALT RUBBER HOT MIX GAP GRADED (AHRM-GG) OVERLAY. OVERLAY THICKNESS

⟨OL / VAR⟩ CONSTRUCT A VARIABLE THICKNESS DGAC OVERLAY (0.03' TO 0.60')

⟨ABB / C⟩ STATE OF CALIFORNIA, BUSINESS AND TRANSPORTATION AGENCY, DEPT. OF TRANSPORTATION, STANDARD PLANS, DATED JULY 1992.

⟨G1⟩ GRIND EX. AC 0.08' BELOW GUTTER LIP OR OUTER EDGE, "DAY-LIGHTING" IN 5' (TYPE 1 GRINDING) EXCEPT AS SHOWN OTHERWISE ON PLAN AND DESCRIBED IN SPECIAL PROVISIONS.

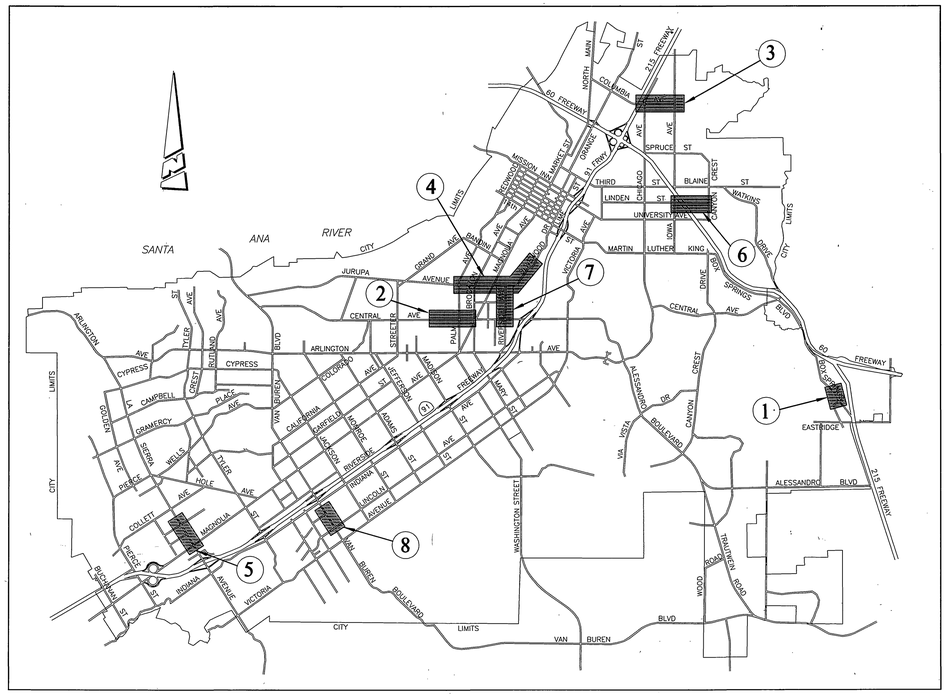
⟨G2 / 0.1⟩ GRIND EX. AC 0.1' BELOW EX. AC SURFACE OR ADJACENT P.C.C. GUTTER (TYPE 2 GRINDING).

⟨R / S1⟩ REMOVE EXISTING ROADWAY AND REPLACE WITH 0.10' ARHM-GG OVER ~~0.85'~~ 0.40' DGAC.

⟨C / S2⟩ CONSTRUCT STRUCTURAL SECTION OF ~~1.10'~~ 0.50' FULL DEPTH DGAC.

⟨TDL / 8⟩ TRAFFIC DETECTOR LOOP INSTALLATIONS — NUMBER OF DETECTOR LOOPS

	STREET	LIMITS	TRAFFIC INDEX	LENGTH	SH. NO.
①	BOX SPRINGS BLVD.	QUAIL VALLEY TO RIVER CREST	9.5	1,350' - 0.3 MILE	2&3
②	CENTRAL AVE.	CARLO TO BROCKTON	8.0	4,000' - 0.8 MILE	4&5
③	COLUMBIA AVE.	I-215 TO IOWA	10.0	3,450' - 0.7 MILE	6&7
④	JURUPA AVE./OLIVEWOOD AVE.	PALM TO PANORAMA	8.0	6,400' - 1.2 MILE	8-10
⑤	LA SIERRA AVE.	MAGNOLIA TO SPAULDING	8.5	2,500' - 0.5 MILE	11
⑥	LINDEN ST.	IOWA TO CANYON CREST	7.0	2,600' - 0.5 MILE	12
⑦	RIVERSIDE AVE.	CENTRAL TO JURUPA	7.5	2,750' - 0.5 MILE	13
⑧	VAN BUREN BLVD.	LINCOLN TO RUDICILL	10.0	2,100' - 0.4 MILE	14
		TOTAL		25,150' - 4.8 MILES	



PROJECT LOCATION PLAN

0 KM. 1 KM. 5 KM 10 KM.
0' 3,000' 6,000' 12,000' 18,000' 24,000' 30,000' 36,000'

SCALE : 1" = 6,000'

EXISTING UNDERGROUND & TOPOGRAPHY LEGEND

EXISTING UNDERGROUND UTILITIES:

SANITARY SEWER —— 8"S ——
WATER LINE —— 6"W ——
STORM DRAIN —— 24"SD ——
GAS LINE —— 3"G ——
ABANDONED UTILITY —— 6"G(ABAN'D.) ——
TELEPHONE CONDUIT —— T —— T ——
ELECTRICAL CONDUIT —— E —— E ——
ELECTROLIER LIGHTING CONDUIT —— ELC ——
TRAFFIC SIGNAL —— SIG —— SIG ——
FIRE ALARM —— F —— F ——

EXISTING TOPOGRAPHY:

BLOCK WALL
BOARD FENCE
WIRE FENCE
CHAIN LINK FENCE
TOP OF SLOPE
TOE OF SLOPE
DIRECTION OF FLOW

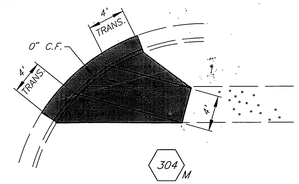
Ⓢ SANITARY SEWER M.H.
Ⓢ C.O. SANITARY SEWER CLEANOUT
Ⓓ STORM DRAIN M.H.
Ⓘ IRRIGATION WEIR
Ⓦ WATER M.H.
Ⓖ GAS M.H.
Ⓔ ELECTRIC M.H.
Ⓣ TELEPHONE M.H.
WATER METER
FIRE HYDRANT
SPRINKLER HEAD
VALVE
AIR VALVE
AIR VENT
BUS STOP SIGN
B.O. BLOW-OFF VALVE
SP IRRIGATION STAND PIPE
CONCRETE
ASPHALT
BUILDING
EDGE OF PAVEMENT

POLE & GUY ANCHOR
POWER POLE
TELEPHONE POLE
TELEPHONE RISER
JOINT USE POLE
PULL BOX
TRAFFIC SIGN
PARKING METER
FIRE ALARM BOX
STREET NAME SIGN
GAS METER
MAIL BOX
FAUCET
WALK-DON'T WALK PEDESTRIAN SIGNAL
ELECTROLYSIS TEST STATION
WHEEL STOP
A.C. BERM

PPB PEDESTRIAN PUSH BUTTON
RAILROAD TRACKS
RAILROAD SIGN
RR RAILROAD SIGNAL
TRAFFIC SIGNAL
TRAFFIC SIGNAL ON MAST ARM
TRAFFIC SIGNAL CONTROLLER
TRAFFIC SIGNAL PRESSURE DETECTOR
TRAFFIC SIGNAL LOOP DETECTOR
STREET LIGHT & TRAFFIC SIGNAL ON MAST ARM
STREET LIGHT (UPRIGHT)
STREET LIGHT ON MAST ARM
STEEL POST
WOOD POST

STRUCTURAL SECTION TABLE

STREET	LIMITS	T.I.	R-VALUE	SECTION
BOX SPRINGS BOULEVARD	QUAIL VALLEY TO RIVER CREST	9.5	39	0.10' ARHM/~~0.85'~~ 0.40' DGAC ⚠1
CENTRAL AVENUE	CARLO TO BROCKTON	8.0	22	0.10' ARHM/0.80' DGAC
COLUMBIA AVENUE	I-215 TO IOWA	9.0	14	0.10' ARHM/~~1.10'~~ 0.50' DGAC ⚠1
JURUPA AVENUE	PALM TO BROCKTON	8.0	17	0.10' ARHM/0.85' DGAC
JURUPA AVENUE	BROCKTON TO RIVERSIDE	8.0	35	0.10' ARHM/0.60' DGAC
OLIVEWOOD AVENUE	RIVERSIDE TO PANORAMA	8.0	44	0.10' ARHM/0.50' DGAC
LA SIERRA AVENUE	MAGNOLIA TO SPAULDING	8.5	40	0.10' ARHM/0.65' DGAC
LINDEN STREET	IOWA TO CANYON CREST	7.0	55	0.10' ARHM/0.30' DGAC
RIVERSIDE AVENUE	CENTRAL TO JURUPA	8.0	24	0.10' ARHM/0.80' DGAC
VAN BUREN BOULEVARD	LINCOLN TO RUDICILL	10.0	55	0.10' ARHM/0.60' DGAC



WHEELCHAIR RAMP DETAIL

SCALE: 1" = 10'

IMPORTANT NOTICE
Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid. For your Dig Alert I.D. Number call
CALL TOLL FREE
TWO WORKING DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-422-4133

ENGINEER IN RESPONSIBLE CHARGE
LAUREN F. CALDWELL
R.C.E. No. 39441 expires 12/31/97
DATE 6/19/97

REGISTERED PROFESSIONAL ENGINEER — LAUREN F. CALDWELL — No. 39441 Exp. 12-31-97 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
⚠1	REVISED STRUCT. SECT. ON BOX SPRINGS & COLUMBIA	AC	6/20/97

DESIGNED BY R.G.F., R.V.Z. DRAWN BY YHT CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	RAL	6/19/97
PRINCIPAL ENGINEER	RZ	6/19/97
TRAFFIC DIVISION		
SURVEYOR	DWD	6/18/97
STREET SERVICES		
PARKS DEPARTMENT		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 6/20/97

AS BUILT 9/9/99 RJM

REHABILITATION OF ARTERIAL STREETS
1996-97 STPL - 5058 (044)

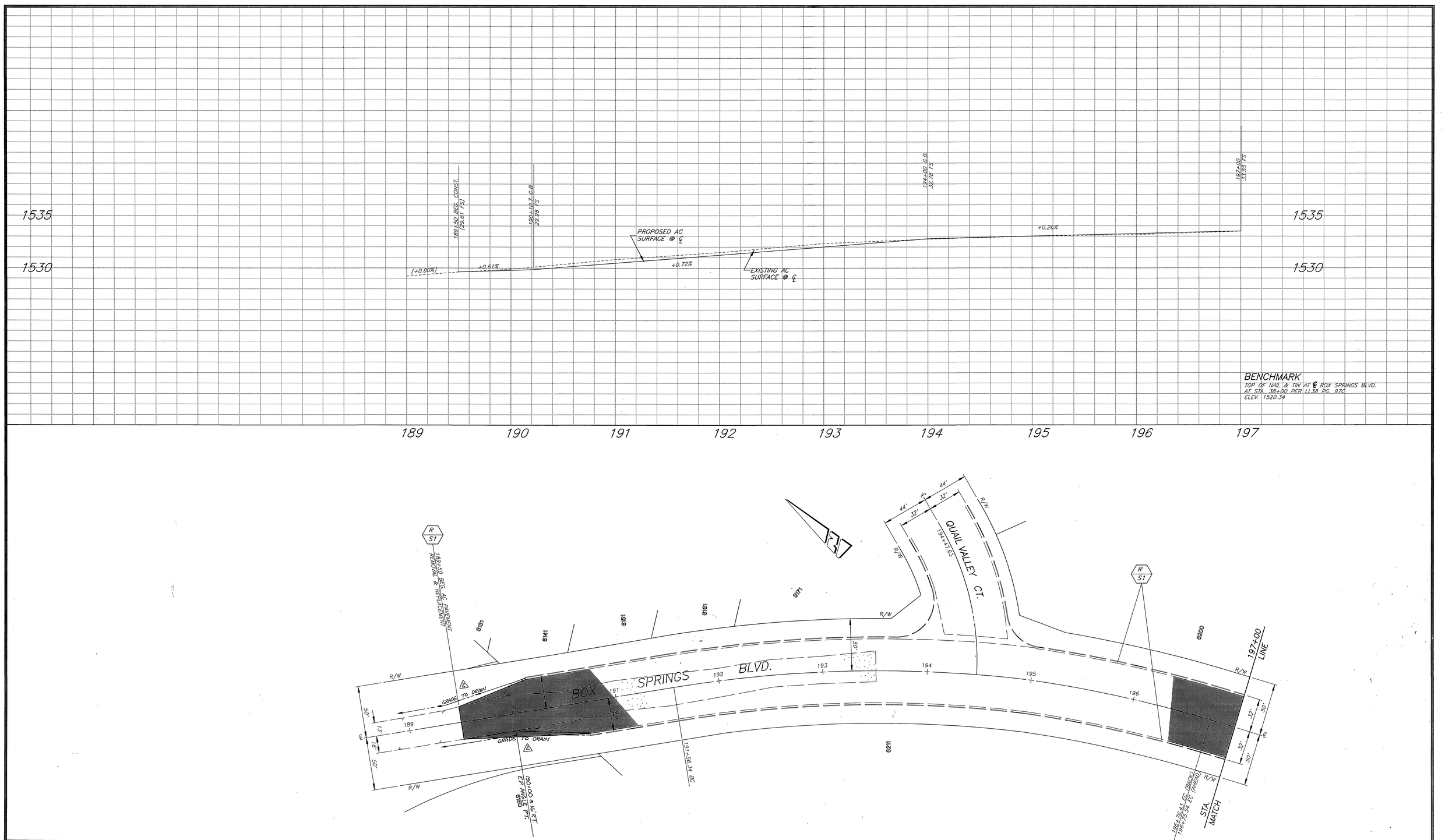
ACCT. NO. 430-541500-440125-30038

R-3470

SHEET 1 OF 14

FILE NO.

INDEXED 7/8/97 GH



QUANTITIES FOR BOX SPRINGS BOULEVARD

ITEM	QUANTITY	ITEM	QUANTITY
COLD MILLING–TYPE I (5' WIDE)	0 L.F.	REPLACE VALVE BOX & COVER	0 EA.
COLD MILLING–TYPE I (10' WIDE)	0 L.F.	ADJUST WATER VALVE FRAME & COVER	0 EA.
CRACK FILL	0 L.F.	TWO WAY BLUE REFLECTIVE HYDRANT MARKER	0 EA.
CRACK REPAIR	0 L.F.	A.C. PAVEMENT REMOVAL 1,273	~~2,466~~ C.Y. △1
R&R CURB & GUTTER, STD. 200, TYPE I	620 ~~535~~ L.F. △2	AC PAVEMENT REPLACEMENT (DGAC) 2,147	~~4,563~~ TONS △1
R&R P.C.C. SIDEWALK, STD. 325	0 S.F.	ASPHALT–RUBBER HOT MIX–GG (0.10')	644 TONS
ADJUST S.D. & SEWER MANHOLE	0 EA.		
ADJUST WATER MANHOLE	0 EA.		
R&R P.C.C. DRIVEWAY APPROACH, STD. 302	400 S.F. △2		

REGISTERED PROFESSIONAL ENGINEER
LAUREN F. CALDWELL
No. 39441
Exp. 12-31-97
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
△2	ADDED GRADING NOTE AND E.P. ANGLE POINT	[illegible]	7/17/97
△1	REVISED C&G R&R QUANTITIES, ADDED DWY. R&R		
	REVISED PAVEMENT REMOVAL & REPLACEMENT QUANTITIES	[illegible]	6/20/97

DESIGNED BY RVZ DRAWN BY VJS CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	RVZ	6/19/97
PRINCIPAL ENGINEER	[illegible]	6/17/97
TRAFFIC DIVISION		
SURVEYOR	MGB	6-18-97
STREET SERVICES		
~~PARKS DEPARTMENT~~		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 6/20/97

REHABILITATION OF ARTERIAL STREETS 1996-97 STPL-5058 (044)

BOX SPRINGS BOULEVARD QUAIL VALLEY CT. TO RIVER CREST DR.

HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

AS BUILT 9/3/99 RJM

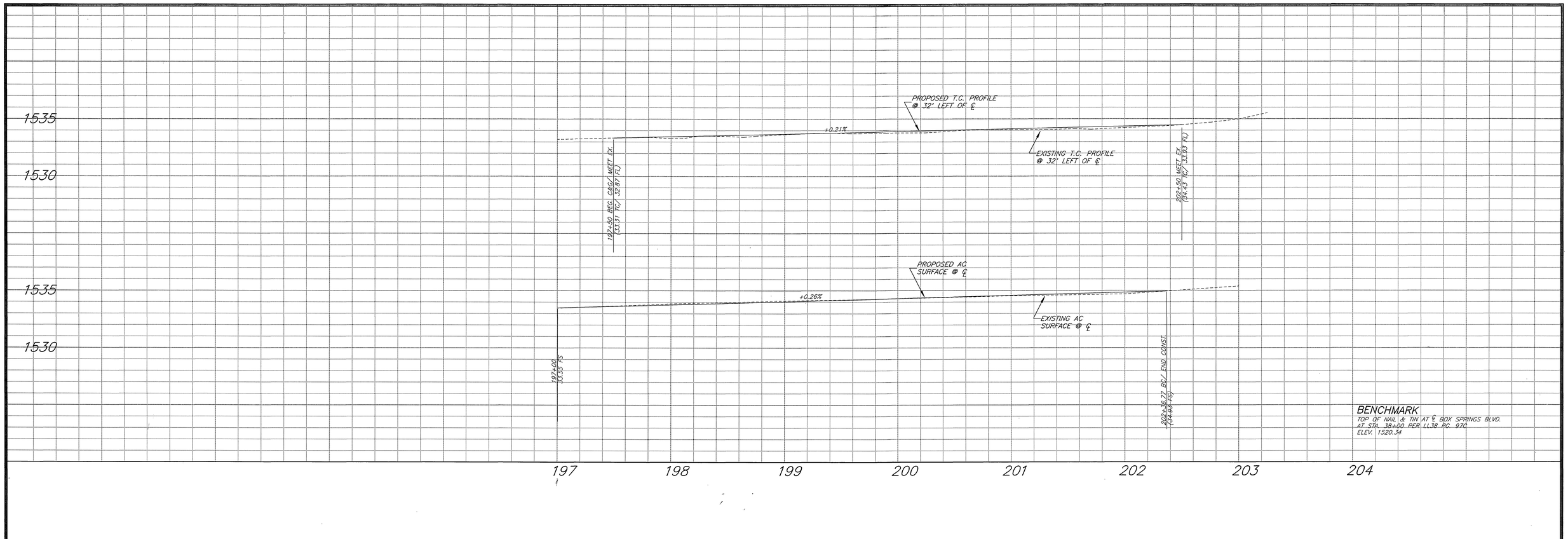
ACCT. NO. 430-541500-440125-30038

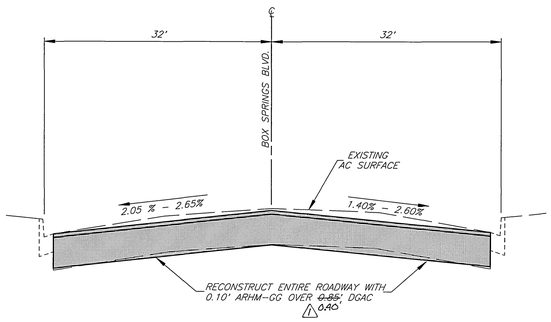
R-3470

SHEET 2 OF 14

FILE NO.

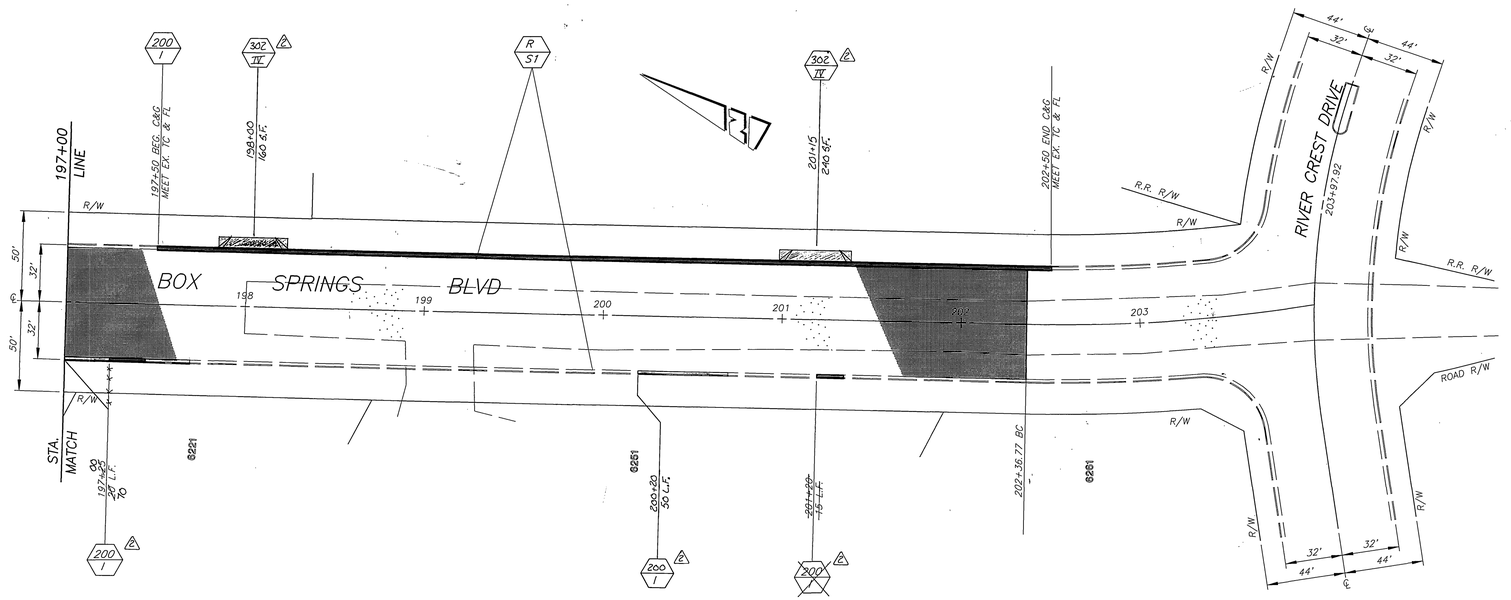
INDEXED 7/8/97 LH





TYPICAL SECTION BOX SPRINGS BLVD.
QUAIL VALLEY TO RIVER CREST

SCALE: HORIZ. 1"= 10'
VERT. 1"= 2'



MARK	REVISIONS	APPR.	DATE
2	REVISED C&G R&R, ADDED DWY. APPROACH R&R		7/17/97
1	REVISED STRUCTURAL SECTION		6/20/97

DESIGNED BY RVZ DRAWN BY VZJ CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	RMG	6/19/97
PRINCIPAL ENGINEER		6/19/97
TRAFFIC DIVISION		
SURVEYOR	RMB	6-18-97
STREET SERVICES		
~~PARKS DEPARTMENT~~		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 6/20/97

REHABILITATION OF ARTERIAL STREETS 1996-97 STPL-5058 (044)

BOX SPRINGS BOULEVARD
QUAIL VALLEY CT. TO RIVER CREST DR.

HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

AS BUILT 9/3/99 RJM

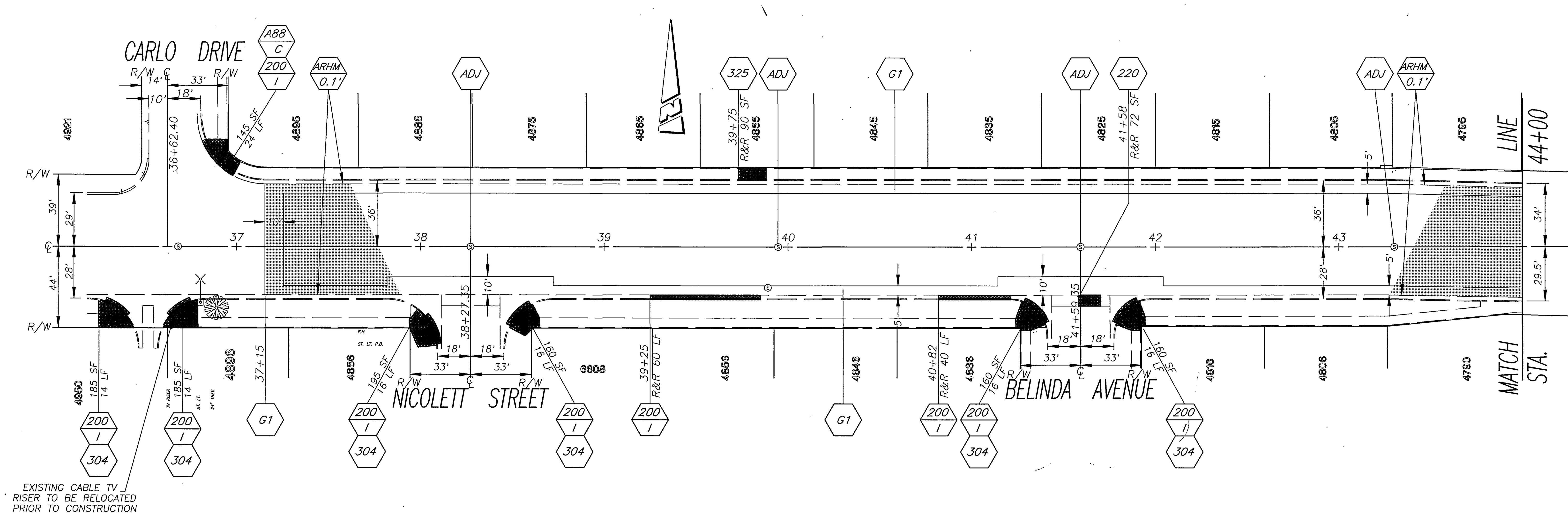
ACCT. NO. 430-541500-440125-30038

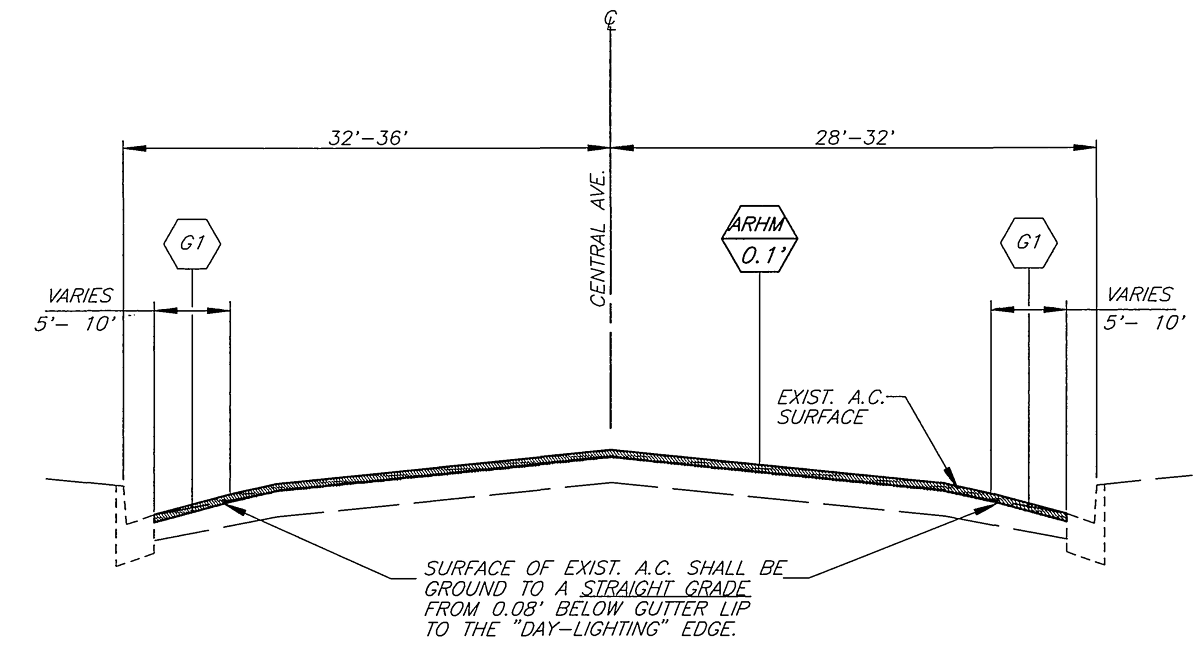
R-3470

SHEET 3 OF 14

FILE NO.

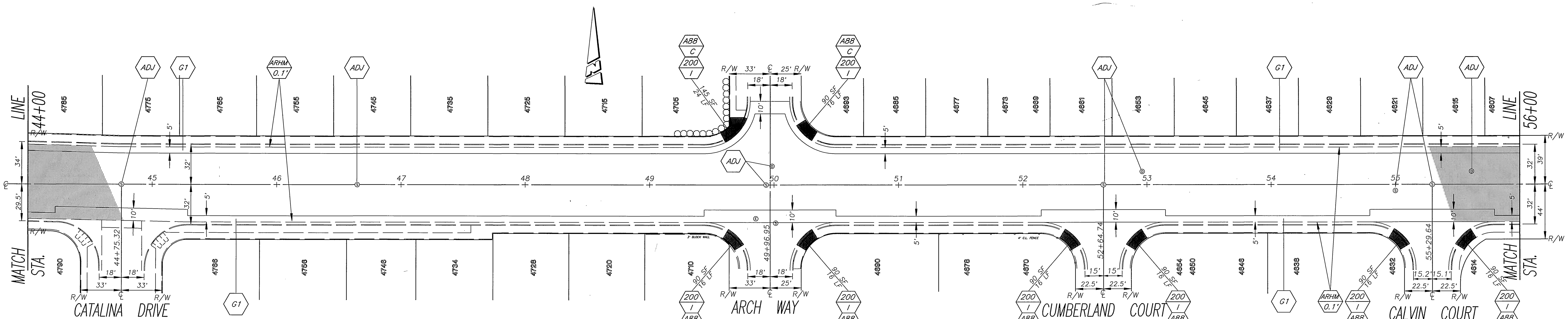
INDEXED 7/8/97 GH





TYPICAL SECTION CENTRAL AVENUE CARLO TO BROCKTON

SCALE: HORIZ. 1"= 10' VERT. 1"= 2'



QUANTITIES FOR CENTRAL AVENUE			
ITEM	QUANTITY	ITEM	QUANTITY
COLD MILLING-TYPE I (5' WIDE)	6,637 L.F.	REPLACE VALVE BOX & COVER	5 EA.
COLD MILLING-TYPE I (10' WIDE)	1,350 L.F.	ADJUST WATER VALVE FRAME & COVER	18 EA.
CRACK FILL	15,000 L.F.	TWO WAY BLUE REFLECTIVE HYDRANT MARKER	9 EA.
CRACK REPAIR	1,000 L.F.	ASPHALT-RUBBER HOT MIX-GG (0.10')	2,131 TONS
R&R CURB & GUTTER, STD. 200, TYPE I	440 L.F.	DETECTOR LOOP INSTALLATION	9 EA.
R&R P.C.C. SIDEWALK, STD. 325	2,625 S.F.	R&R P.C.C. CROSS GUTTER, STD. 220	72 S.F.
ADJUST S.D. & SEWER MANHOLE	32 EA.	PAVEMENT PREPARATION	(0.80' THICK)
ADJUST WATER MANHOLE	0 EA.	A.C. PAVEMENT REMOVAL	711 ~~1,453~~ C.Y. ⚠1
ADJUST ELECTRIC MANHOLE	0 EA.	A.C. PAVEMENT REPLACEMENT (DGAC)	1440 ~~2,942~~ TONS ⚠1
ADJUST ELECTRIC VAULT	5 EA.		

MARK	REVISIONS	APPR.	DATE
⚠1	REVISED PAVEMENT PREPARATION QUANTITIES	[signature]	7/17/97

DESIGNED BY RVZ DRAWN BY RJM CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	RMG	6/19/97
PRINCIPAL ENGINEER	[initials]	6/19/97
CHIEF P.W. INSPECTOR		
TRAFFIC DIVISION		
SURVEYOR	MSB	6-18-97
TRAFFIC DIVISION		
~~PARKS DEPARTMENT~~		

APPROVED BY [signature]
PUBLIC WORKS DIRECTOR
DATE 6/20/97

REHABILITATION OF ARTERIAL STREETS 1996-97 STPL-5058 (044)

CENTRAL AVENUE
CARLO DRIVE TO BROCKTON AVENUE

HORIZ. SCALE: 1" = 40'

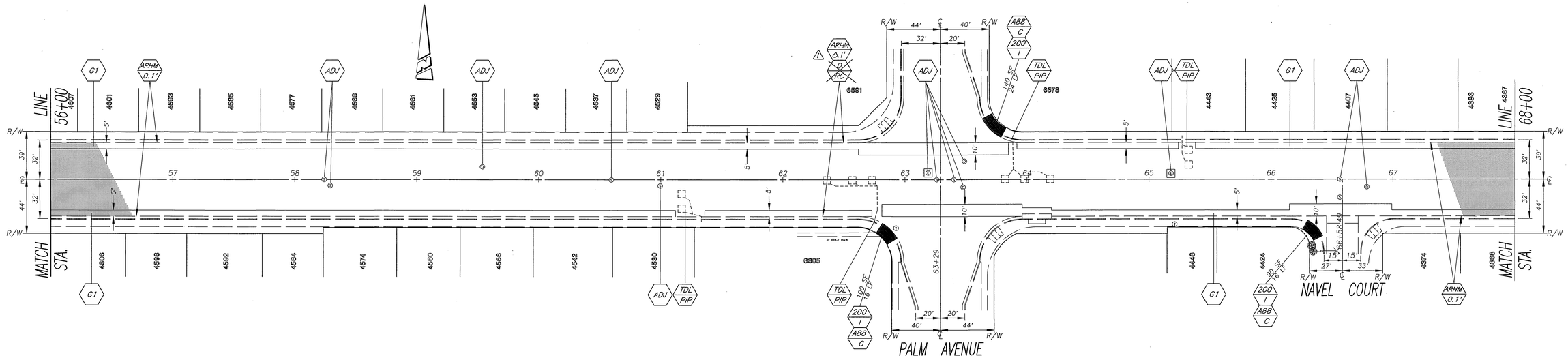
AS BUILT 9/3/99 RJM
ACCT. NO. 430-541500-440125-30038

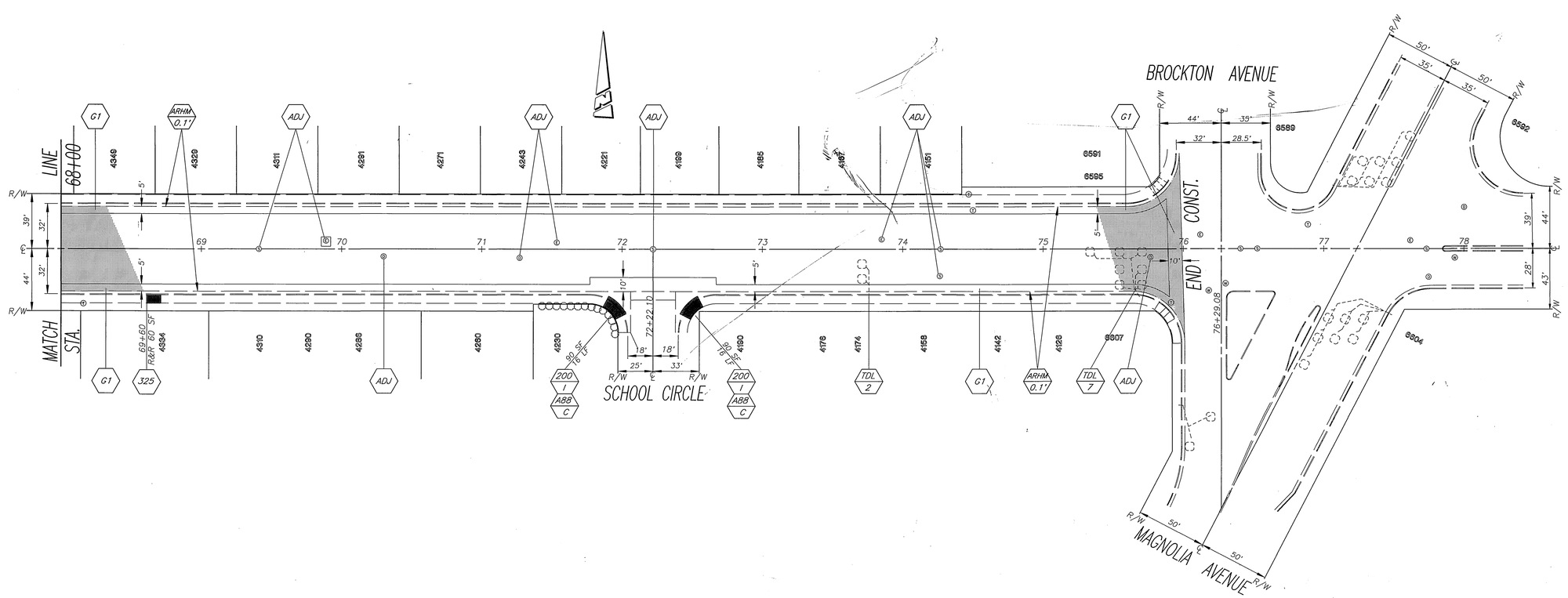
R-3470

SHEET 4 OF 14

FILE NO.

INDEXED 7/8/97 GH





REGISTERED PROFESSIONAL ENGINEER
LAUREN F. CALDWELL
No. 39441
Exp. 12-31-97
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
1	REVISED OVERLAY DESIGNATION	LC	7/1/99

DESIGNED BY RVZ DRAWN BY RJM CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	RVZ	6/19/97
PRINCIPAL ENGINEER	LC	6/19/97
CHIEF P.W. INSPECTOR		
TRAFFIC DIVISION		
SURVEYOR	WSB	6/18/97
TRAFFIC DIVISION		
PARKS DEPARTMENT		

APPROVED BY _____ PUBLIC WORKS DIRECTOR
DATE 6/20/97

REHABILITATION OF ARTERIAL STREETS 1996-97 STPL-5058 (044)

CENTRAL AVENUE
CARLO DRIVE TO BROCKTON AVENUE

HORIZ. SCALE: 1" = 40'

AS BUILT 9/3/99 RJM

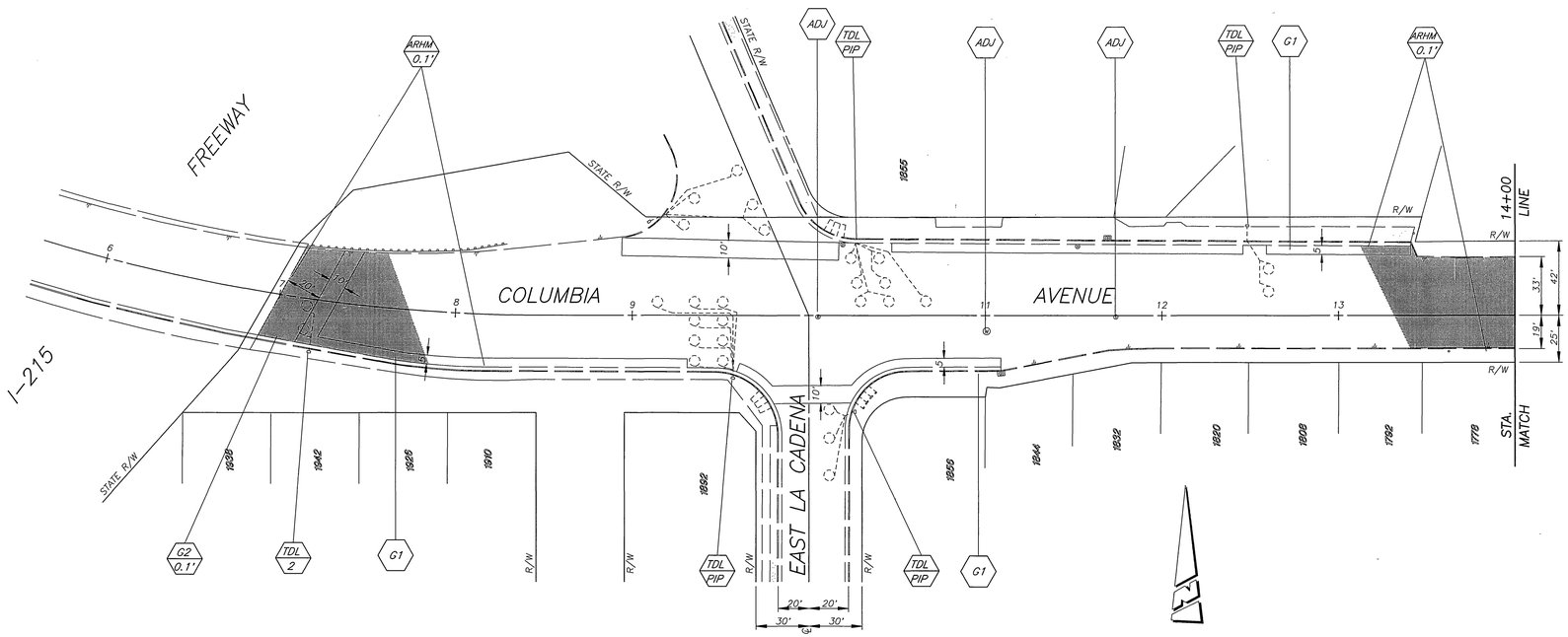
ACCT. NO. 430-541500-440125-30038

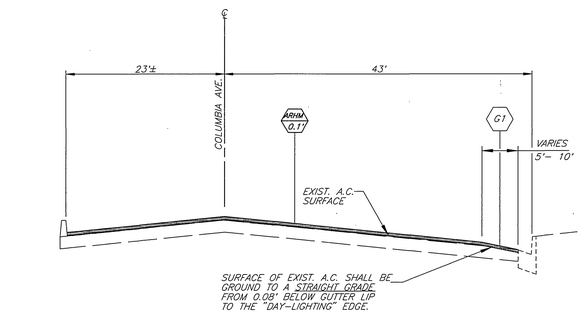
R-3470

SHEET 5 OF 14

FILE NO.

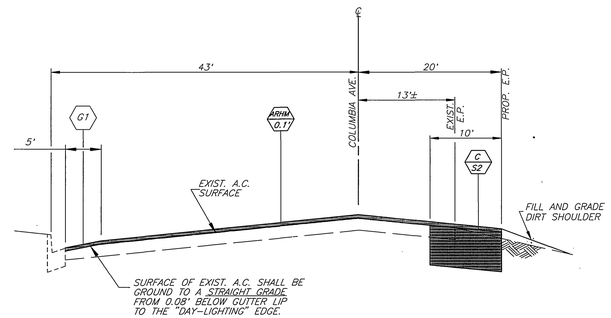
INDEXED 7/8/97 HH





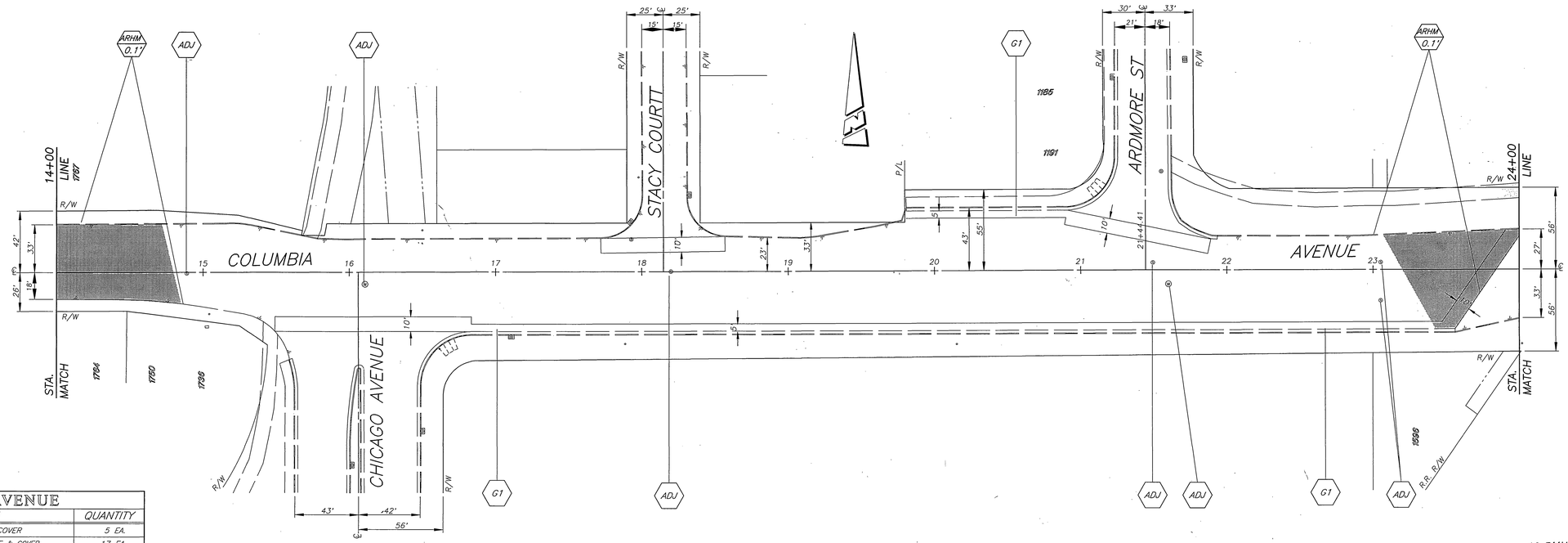
TYPICAL SECTION COLUMBIA AVENUE STA. 16+00 TO 27+00

SCALE: HORIZ. 1"= 10'
VERT. 1"= 2'



TYPICAL SECTION COLUMBIA AVENUE STA. 32+00 TO 40+00

SCALE: HORIZ. 1"= 10'
VERT. 1"= 2'



QUANTITIES FOR COLUMBIA AVENUE			
ITEM	QUANTITY	ITEM	QUANTITY
COLD MILLING–TYPE I (5' WIDE)	3,144 L.F.	REPLACE VALVE BOX & COVER	5 EA.
COLD MILLING–TYPE I (10' WIDE)	940 L.F.	ADJUST WATER VALVE FRAME & COVER	17 EA.
COLD MILLING–TYPE II	1,140 S.F.	TWO WAY BLUE REFLECTIVE HYDRANT MARKER	8 EA.
CRACK FILL	10,000 L.F.	ASPHALT–RUBBER HOT MIX–GG (0.10')	2,043 TONS
CRACK REPAIR	500 L.F.	DETECTOR LOOP INSTALLATION	4 EA.
R&R CURB & GUTTER, STD. 200, TYPE I	50 L.F.		
R&R P.C.C. SIDEWALK, STD. 325	0 S.F.	PAVEMENT PREPARATION	(1.10' THICK)
ADJUST S.D. & SEWER MANHOLE	13 EA.	A.C. PAVEMENT REMOVAL 62T	~~1,414~~ C.Y. ⚠
ADJUST WATER MANHOLE	3 EA.	A.C. PAVEMENT REPLACEMENT (DGAC) 1,270	~~2,795~~ TONS ⚠

REGISTERED PROFESSIONAL ENGINEER
LORREN F. CALDWELL
No. 39441
Exp. 12-31-97
STATE OF CALIFORNIA
CIVIL

AS BUILT 9/3/99 RJM

MARK	REVISIONS	APPR.	DATE
⚠	REVISED PAVEMENT REMOVAL & REPLACEMENT QUANTITIES	SC	6/20/97

DESIGNED BY R.G. FANN DRAWN BY LFH CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	R&C	6/19/97
PRINCIPAL ENGINEER	SC	6/20/97
TRAFFIC DIVISION		
SURVEYOR	MMB	6.18.97
STREET SERVICES		
~~PARKS DEPARTMENT~~		

APPROVED BY: PUBLIC WORKS DIRECTOR
DATE 6/20/97

REHABILITATION OF ARTERIAL STREETS 1996-97 STPL-5058 (044)

COLUMBIA AVENUE I-215 TO IOWA AVE.

HORIZ. SCALE: 1" = 40'

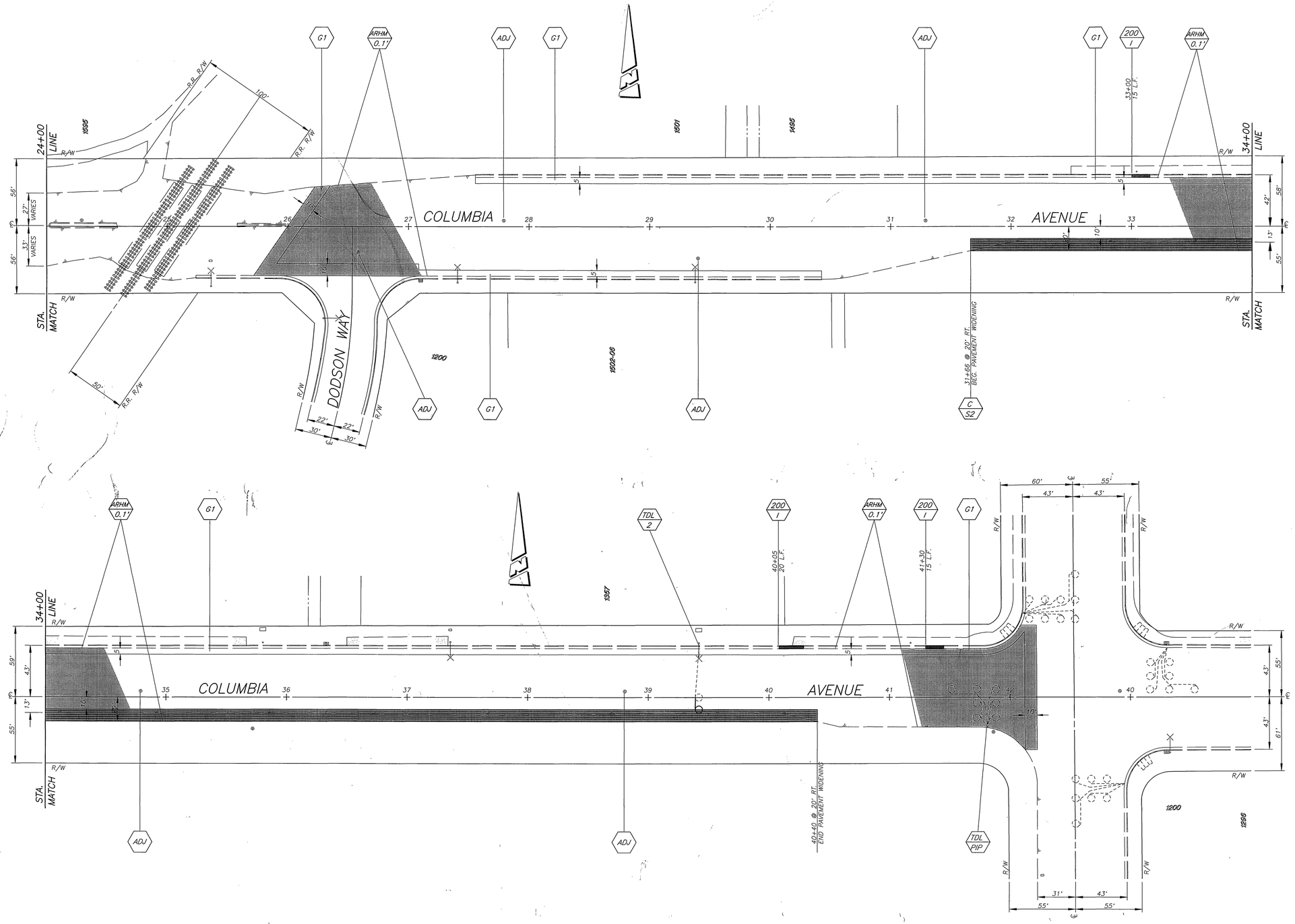
ACCT. NO. 430-541500-440125-30038

R-3470

SHEET 6 OF 14

FILE NO.

INDEXED 7/8/97 GH



AS BUILT 9/3/99 RJM

REGISTERED PROFESSIONAL ENGINEER
LAUREN E. CALDWELL
No. 39441
Exp. 12-31-97
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY R.G. FANN DRAWN BY LFH CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	[illegible]	6/20/97
PRINCIPAL ENGINEER	[illegible]	6/20/97
TRAFFIC DIVISION		
SURVEYOR	MJH	6-18-97
STREET SERVICES		
~~PARKS DEPARTMENT~~		

APPROVED BY [signature]
PUBLIC WORKS DIRECTOR
DATE 6/20/97

REHABILITATION OF ARTERIAL STREETS 1996-97 STPL-5058 (044)

COLUMBIA AVENUE
I-215 TO IOWA AVE.

HORIZ. SCALE: 1" = 40'

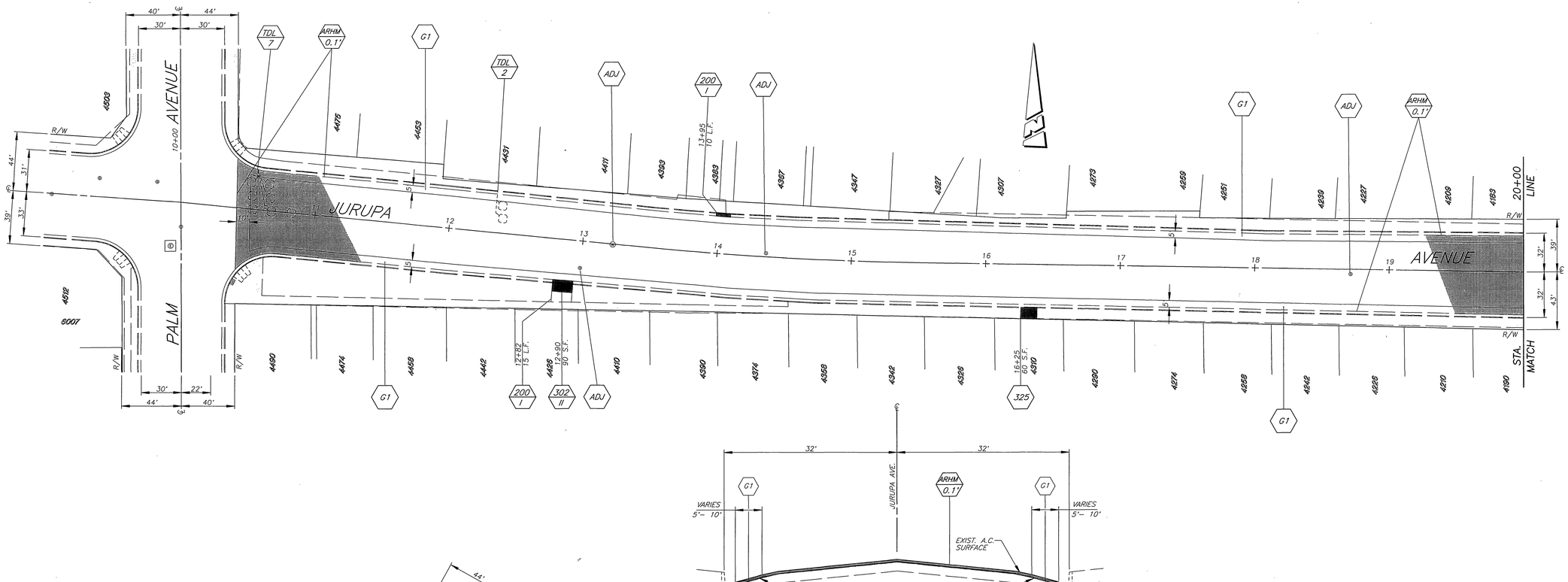
ACCT. NO. 430-541500-440125-30038

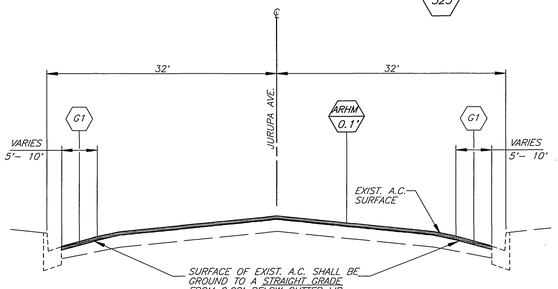
R-3470

SHEET 7 OF 14

FILE NO.

INDEXED 7/8/97 GH





TYPICAL SECTION JURUPA AVENUE PALM TO RIVERSIDE

SCALE: HORIZ. 1"= 10'
VERT. 1"= 2'

QUANTITIES FOR JURUPA AVE./OLIVEWOOD AVE.

ITEM	QUANTITY	ITEM	QUANTITY
COLD MILLING–TYPE I (5' WIDE)	11,916 L.F.	REPLACE VALVE BOX & COVER	17 EA.
COLD MILLING–TYPE I (10' WIDE)	1,528 L.F.	ADJUST WATER VALVE FRAME & COVER	50 EA.
CRACK FILL	25,000 L.F.	TWO WAY BLUE REFLECTIVE HYDRANT MARKER	13 EA.
CRACK REPAIR	1,400 L.F.	ASPHALT–RUBBER HOT MIX–GG (0.10')	3,486 TONS
R&R CURB & GUTTER, STD. 200, TYPE I	531 L.F.	DETECTOR LOOP INSTALLATION	59 EA.
R&R P.C.C. SIDEWALK, STD. 325	1,979 S.F.	R&R P.C.C. DRIVEWAY APPROACH, STD. 302	180 S.F.
ADJUST S.D. & SEWER MANHOLE	19 EA.	PAVEMENT PREPARATION	(SECTION VARIES)
ADJUST WATER MANHOLE	5 EA.	A.C. PAVEMENT REMOVAL	242 ~~1,130~~ C.Y. ⚠
ADJUST ELECTRIC MANHOLE	5 EA.	A.C. PAVEMENT REPLACEMENT (DGAC)	491 ~~2,289~~ TONS ⚠
ADJUST ELECTRIC VAULT	1 EA.		

REGISTERED PROFESSIONAL ENGINEER LAUREN F. CALDWELL No. 39441 Exp. 12-31-97 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
⚠	REVISED PAVEMENT PREPARATION QUANTITIES	RG	7/17/97

DESIGNED BY R.G. FANN DRAWN BY _____ CHECKED BY _____

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	[illegible]	6/19/97
PRINCIPAL ENGINEER	RG	6/19/97
CHIEF P.W. INSPECTOR		
TRAFFIC DIVISION		
SURVEYOR	MSD	6.19.97
STREET SERVICES		
WATER DEPARTMENT		

APPROVED BY _____ PUBLIC WORKS DIRECTOR
DATE 6/20/97

REHABILITATION OF ARTERIAL STREETS 1996-97 STPL-5058 (044)

JURUPA AVE/OLIVEWOOD AVE. PALM AVE. TO NOGALES ST.

HORIZ. SCALE: 1" = 40'

AS BUILT 9/3/99 RMA

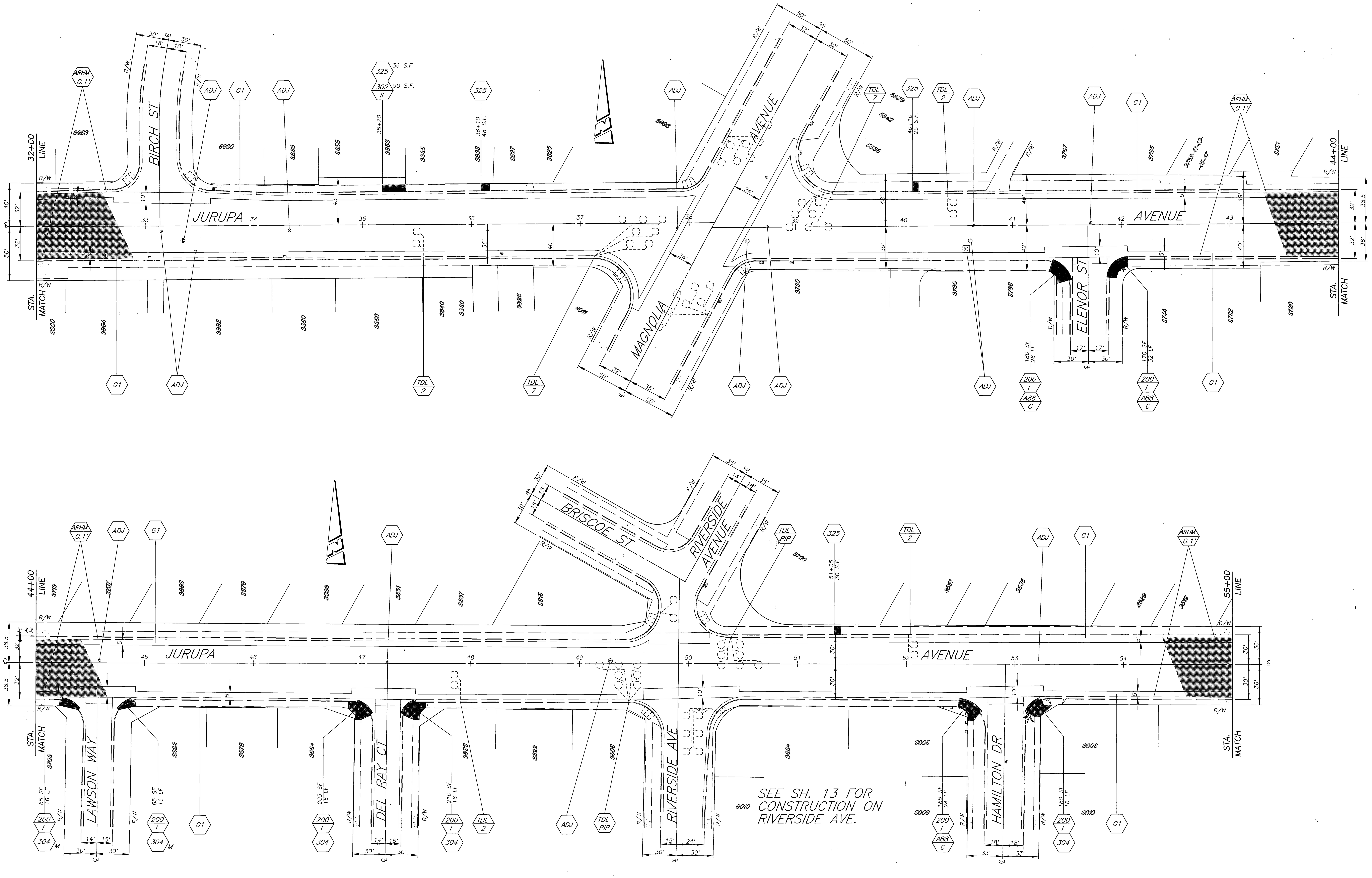
ACCT. NO. 430-541500-440125-30038

R-3470

SHEET 8 OF 14

FILE NO.

INDEXED 7/8/97 GH



AS BUILT 9/3/99 RJM

MARK	REVISIONS	APPR.	DATE

DESIGNED BY R.G. FANN DRAWN BY ______ CHECKED BY ______

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR		6/19/97
PRINCIPAL ENGINEER		6/19/97
CHIEF P.W. INSPECTOR		
TRAFFIC DIVISION		
SURVEYOR	MSB	6.18.97
STREET SERVICES		
~~PARKS DEPARTMENT~~		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 6/20/97

REHABILITATION OF ARTERIAL STREETS 1996-97 STPL-5058 (044)

JURUPA AVE./OLIVEWOOD AVE.
BIRCH ST. TO HAMILTON DR.

HORIZ. SCALE: 1" = 40'

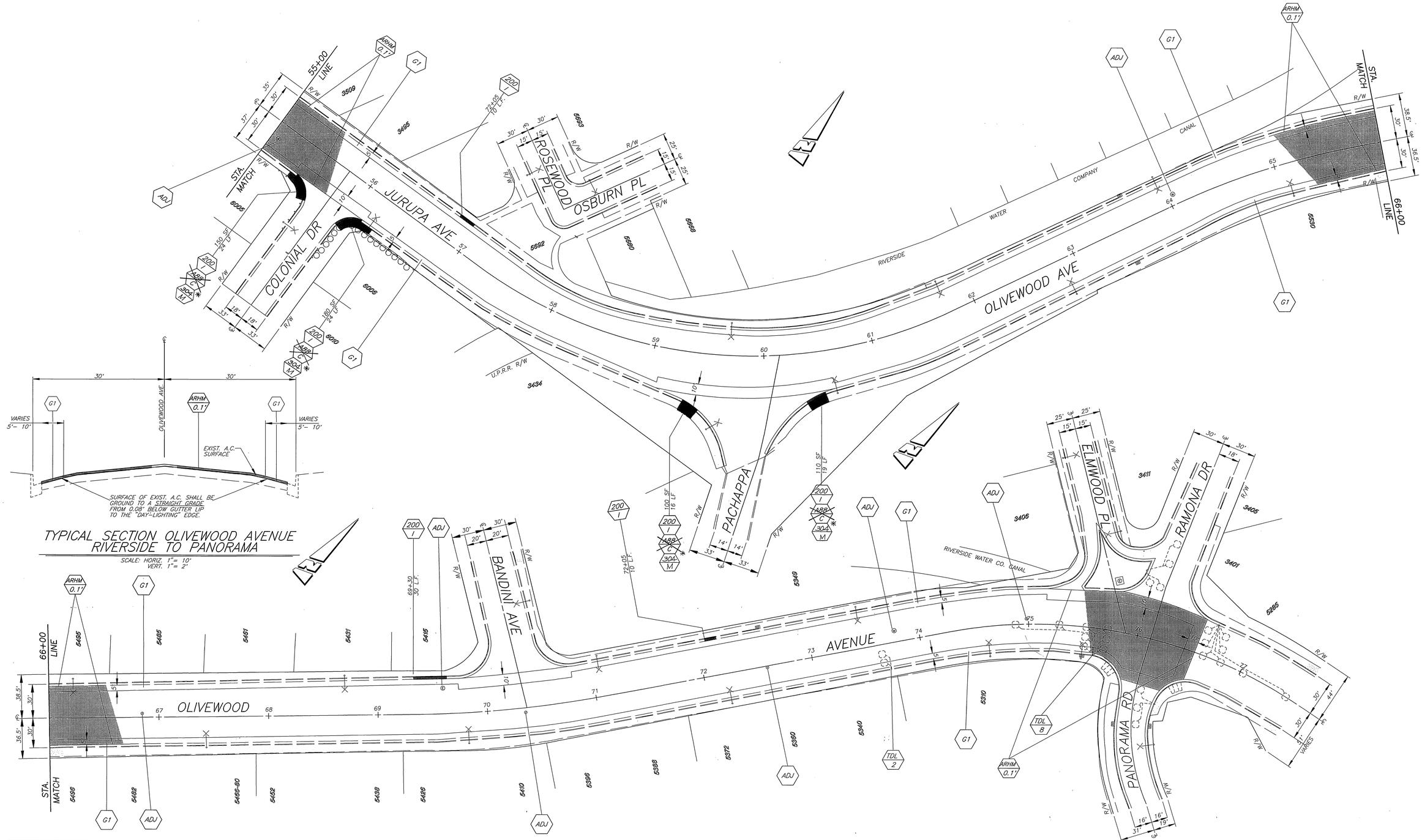
ACCT. NO. 430-541500-440125-30038

R-3470

SHEET 9 OF 14

FILE NO.

INDEXED 7/8/97 GH



TYPICAL SECTION OLIVEWOOD AVENUE RIVERSIDE TO PANORAMA

SCALE: HORIZ. 1"= 10'
VERT. 1"= 2'

QUANTITIES FOR JURUPA AVE./OLIVEWOOD AVE.			
ITEM	QUANTITY	ITEM	QUANTITY
COLD MILLING–TYPE I (5' WIDE)	0 L.F.	REPLACE VALVE BOX & COVER	0 EA.
COLD MILLING–TYPE I (10' WIDE)	0 L.F.	ADJUST WATER VALVE FRAME & COVER	0 EA.
CRACK FILL	0 L.F.	TWO WAY BLUE REFLECTIVE HYDRANT MARKER	0 EA.
CRACK REPAIR	0 L.F.	ASPHALT–RUBBER HOT MIX–GG (0.10')	0 TONS
R&R CURB & GUTTER, STD. 200, TYPE I	0 L.F.		
P.C.C. SIDEWALK, STD. 325	0 S.F.		
R&R P.C.C. SIDEWALK, STD. 325	0 S.F.	PAVEMENT PREPARATION	(0.5' THICK)
WHEELCHAIR RAMP	0 EA.	A.C. PAVEMENT REMOVAL	0 C.Y.
ADJUST S.D. & SEWER MANHOLE	0 EA.	A.C. PAVEMENT REPLACEMENT (DGAC)	0 TONS
ADJUST WATER MANHOLE	0 EA.		

REGISTERED PROFESSIONAL ENGINEER
LAUREN F. CALDWELL
No. 39441
Exp. 12-31-97
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY R.G. FANN DRAWN BY _____ CHECKED BY _____

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR		
PRINCIPAL ENGINEER		
CHIEF P.W. INSPECTOR		
TRAFFIC DIVISION		
SURVEYOR		
STREET SERVICES		
PARKS DEPARTMENT		

APPROVED BY _____
PUBLIC WORKS DIRECTOR
DATE 6/20/97

*AS BUILT 9/3/98 R/M

REHABILITATION OF ARTERIAL STREETS 1996-97 STPL-5058 (044)

JURUPA AVE/OLIVEWOOD AVE. COLONIAL DR. TO PANORAMA ST.

HORIZ. SCALE: 1" = 40'

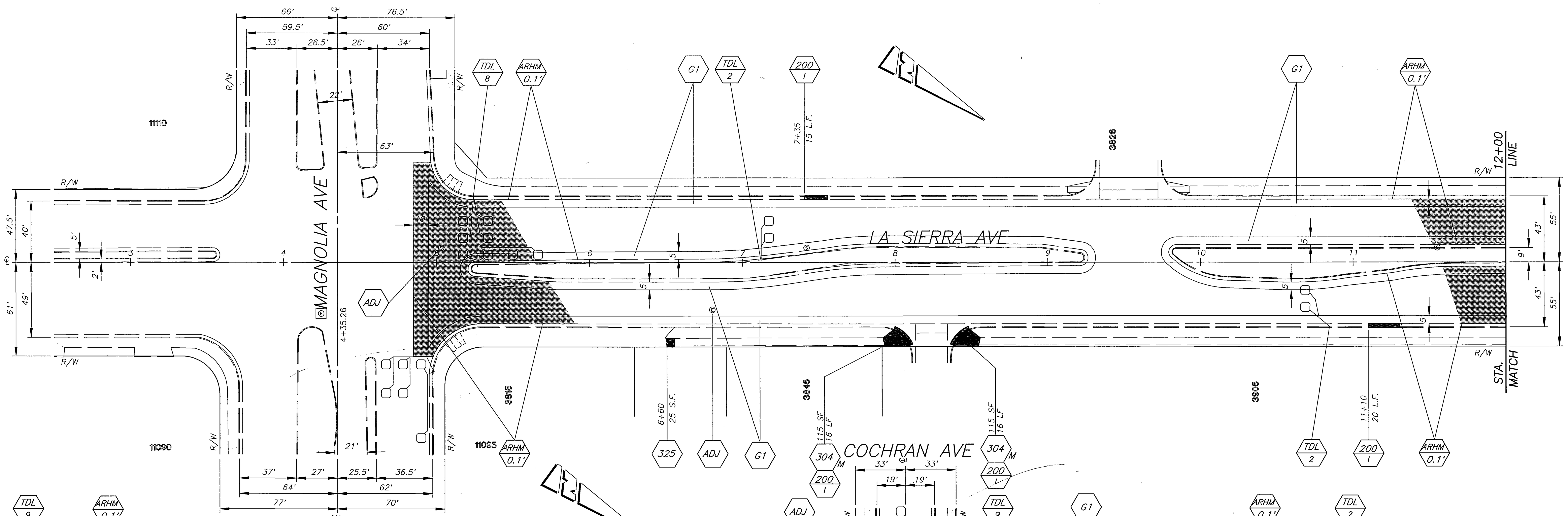
ACCT. NO.: 430–541500–440125–30038

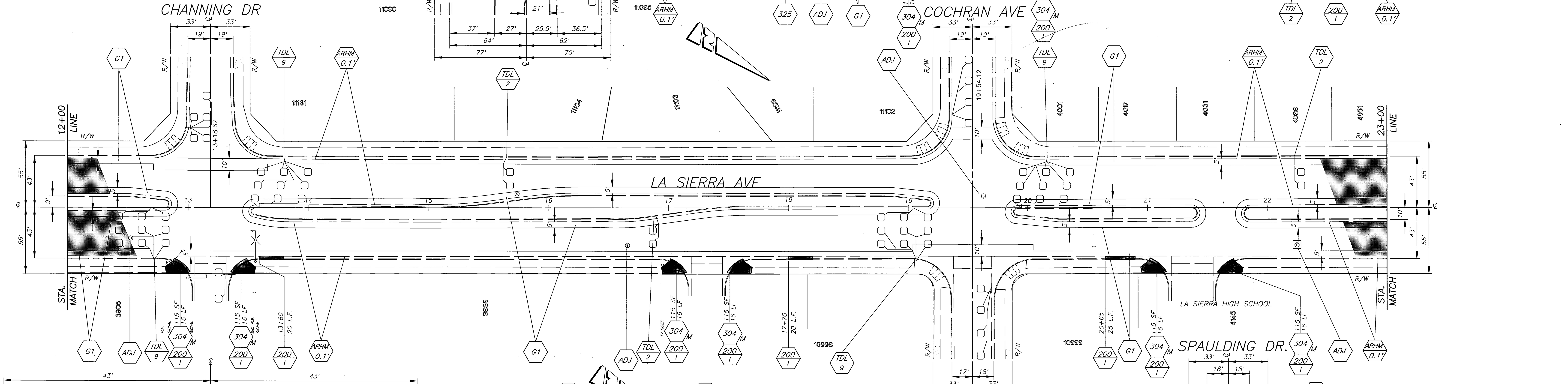
R-3470

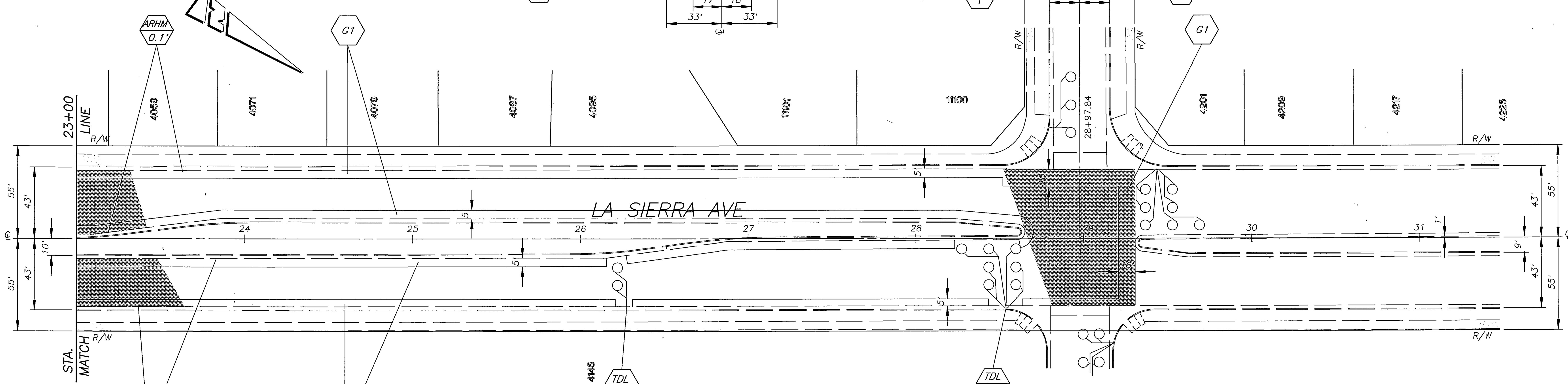
SHEET 10 OF 14

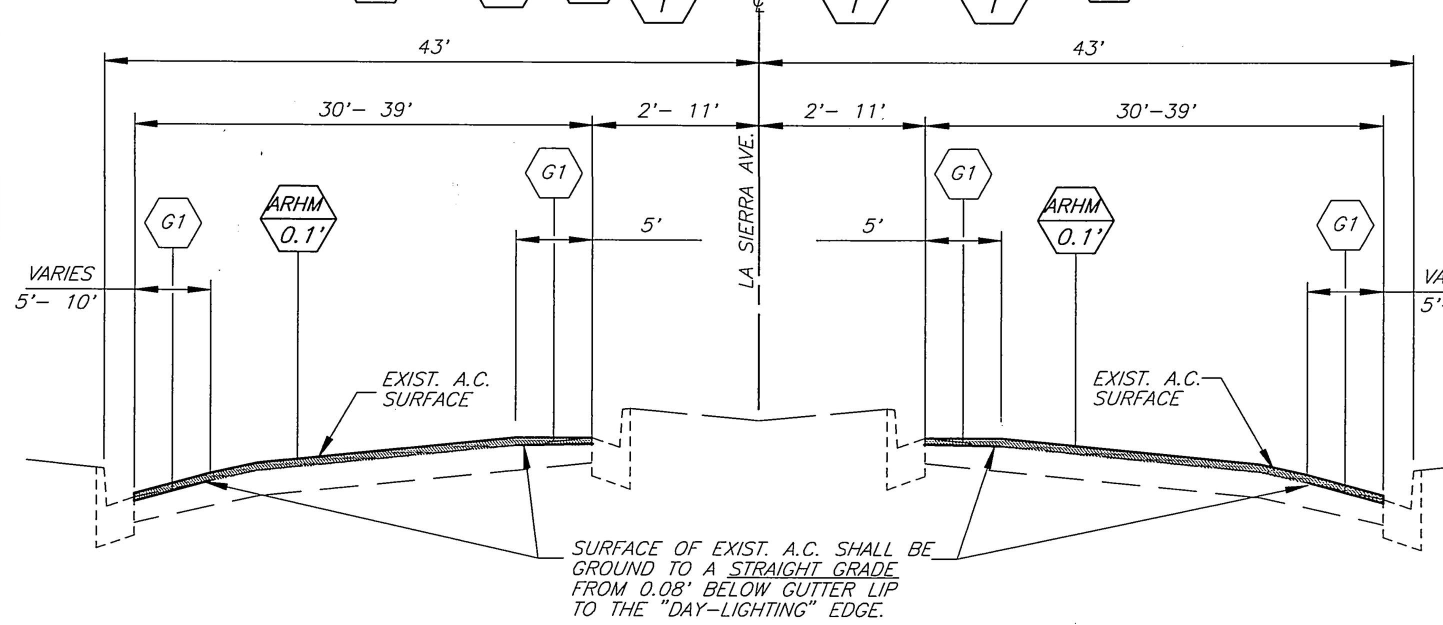
FILE NO.

INDEXED 7/8/97 GH







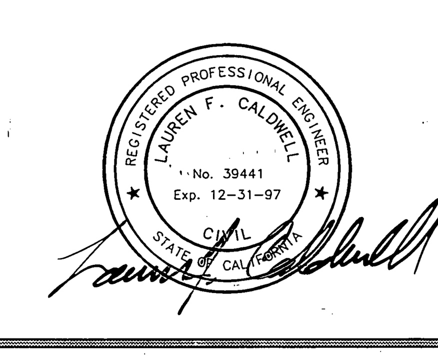


TYPICAL SECTION LA SIERRA AVENUE

SCALE: HORIZ. 1"= 10'
VERT. 1"= 2'

QUANTITIES FOR LA SIERRA AVENUE

ITEM	QUANTITY	ITEM	QUANTITY
COLD MILLING–TYPE I (5' WIDE)	8,921 L.F.	REPLACE VALVE BOX & COVER	3 EA.
COLD MILLING–TYPE I (10' WIDE)	505 L.F.	ADJUST WATER VALVE FRAME & COVER	15 EA.
CRACK FILL	9,300 L.F.	TWO WAY BLUE REFLECTIVE HYDRANT MARKER	7 EA.
CRACK REPAIR	500 L.F.	ASPHALT-RUBBER HOT MIX–GG (0.10')	1,517 TONS
R&R CURB & GUTTER, STD. 200, TYPE I	228 L.F.	DETECTOR LOOP INSTALLATION	54 EA.
R&R P.C.C. SIDEWALK, STD. 325	945 S.F.		
ADJUST S.D. & SEWER MANHOLE	3 EA.	PAVEMENT PREPARATION	(0.65' THICK)
ADJUST WATER MANHOLE	0 EA.	A.C. PAVEMENT REMOVAL	289 C.Y.
ADJUST ELECTRIC MANHOLE	2 EA.	A.C. PAVEMENT REPLACEMENT (DGAC)	585 TONS
ADJUST ELECTRIC VAULT	1 EA.		



MARK	REVISIONS	APPR.	DATE

DESIGNED BY RVZ DRAWN BY VLT CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	RHG	6/19/97
PRINCIPAL ENGINEER		6/19/97
TRAFFIC DIVISION		
SURVEYOR	MSB	6-18-97
STREET SERVICES		
~~PARKS DEPARTMENT~~		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 6/20/97

REHABILITATION OF ARTERIAL STREETS 1996-97 STPL-5058 (044)

LA SIERRA AVENUE
MAGNOLIA AVE. TO SPAULDING DR.

HORIZ. SCALE: 1" = 40'

AS BUILT 9/3/99 RJM

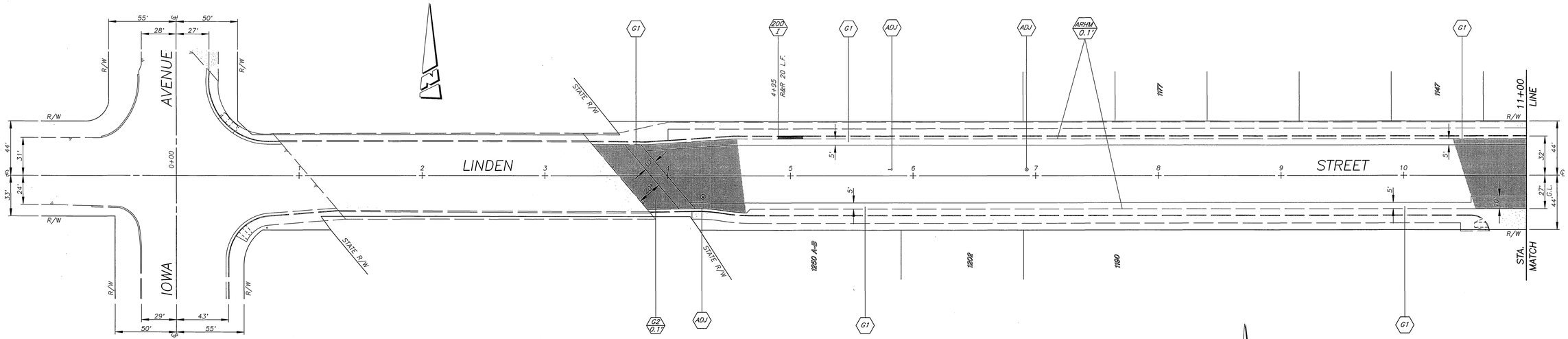
ACCT. NO. 430-541500-440125-30038

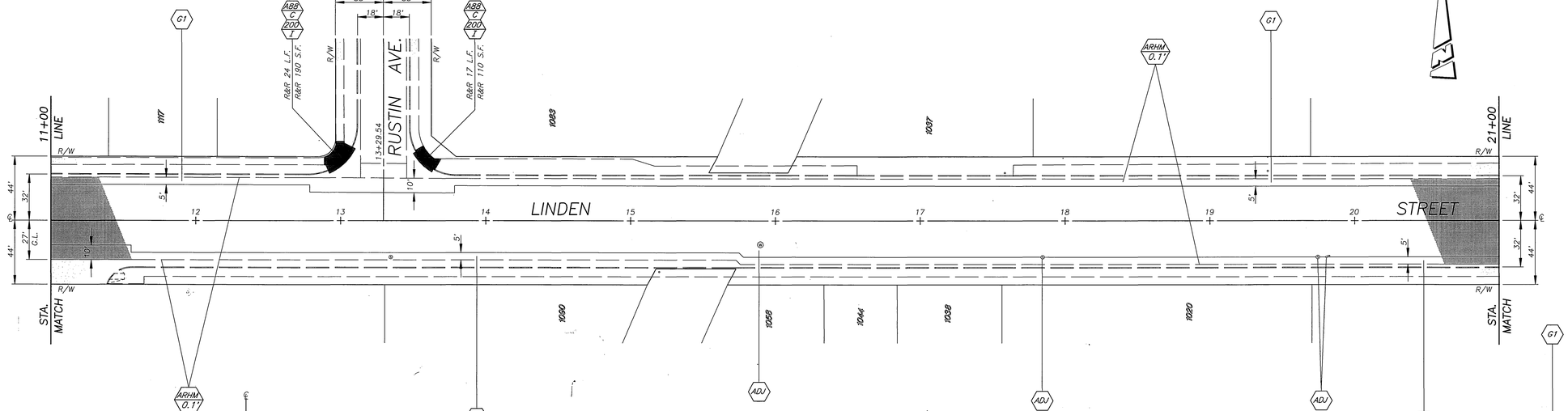
R-3470

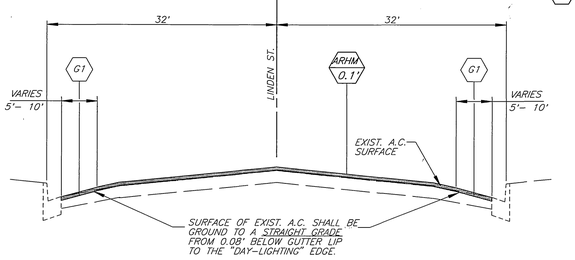
SHEET 11 OF 14

FILE NO.

INDEXED 7/8/97 GH

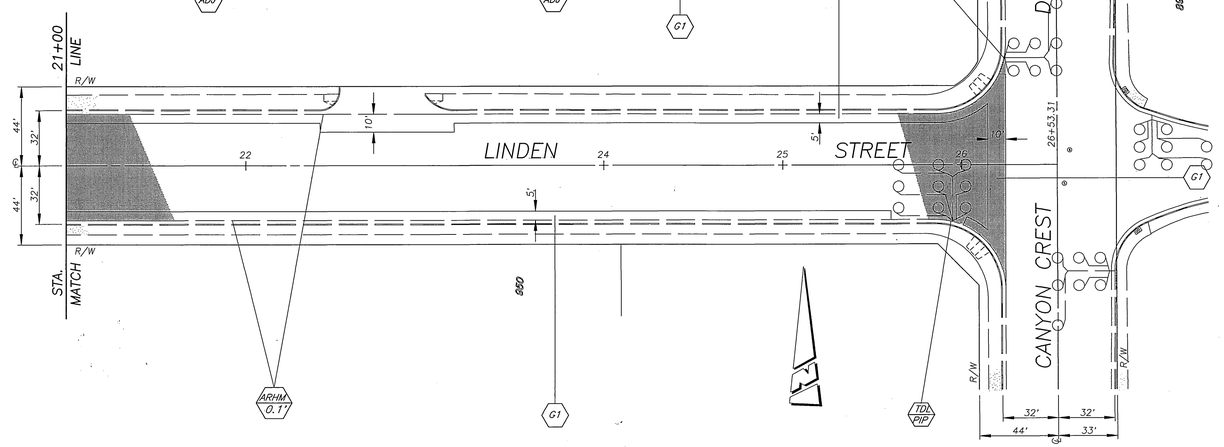






TYPICAL SECTION LINDEN STREET IOWA TO CANYON CREST

SCALE: HORIZ. 1"= 10'
VERT. 1"= 2'



QUANTITIES FOR LINDEN STREET

ITEM	QUANTITY	ITEM	QUANTITY
COLD MILLING–TYPE I (5' WIDE)	4,155 L.F.	REPLACE VALVE BOX & COVER	2 EA.
COLD MILLING–TYPE I (10' WIDE)	440 L.F.	ADJUST WATER VALVE FRAME & COVER	10 EA.
COLD MILLING–TYPE II	1,400 S.F.	TWO WAY BLUE REFLECTIVE HYDRANT MARKER	7 EA.
CRACK FILL	8,400 L.F.	ASPHALT–RUBBER HOT MIX–GG (0.10')	1,174 TONS
CRACK REPAIR	500 L.F.	DETECTOR LOOP INSTALLATION	0 EA.
R&R CURB & GUTTER, STD. 200, TYPE I	61 L.F.		
R&R P.C.C. SIDEWALK, STD. 325	300 S.F.	PAVEMENT PREPARATION	(0.30' THICK)
		A.C. PAVEMENT REMOVAL	~~Ø 73 C.Y.~~ ⚠
ADJUST S.D. & SEWER MANHOLE	5 EA.	A.C. PAVEMENT REPLACEMENT (DGAC)	~~Ø 149 TONS~~ ⚠
ADJUST WATER MANHOLE	2 EA.		

REGISTERED PROFESSIONAL ENGINEER
LAUREN F. CALDWELL
No. 39441
Exp. 12-31-97
STATE OF CALIFORNIA
CIVIL

MARK	REVISIONS	APPR.	DATE
⚠	REVISED PAVEMENT PREPARATION QUANTITIES	RG	7/17/97

DESIGNED BY R.G. FANN DRAWN BY _____ CHECKED BY _____

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	RG for	7/17/97
PRINCIPAL ENGINEER	RG	7/17/97
CHIEF P.W. INSPECTOR		
TRAFFIC DIVISION		
SURVEYOR	[illegible]	6.18.97
STREET SERVICES		
PARKS DEPARTMENT		

APPROVED BY _____
PUBLIC WORKS DIRECTOR
DATE 6/20/97

REHABILITATION OF ARTERIAL STREETS 1996-97 STPL-5058 (044)

LINDEN STREET
IOWA AVE. TO CANYON CREST DR.

HORIZ. SCALE: 1" = 40'

AS BUILT 9/9/99 RJM

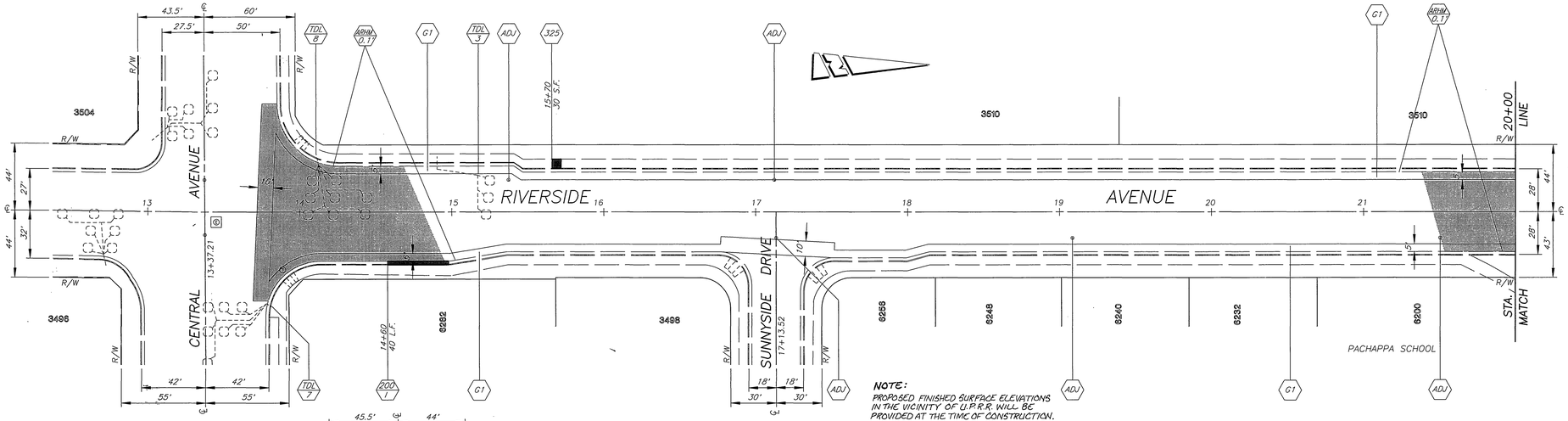
ACCT. NO. 430-541500-440125-30038

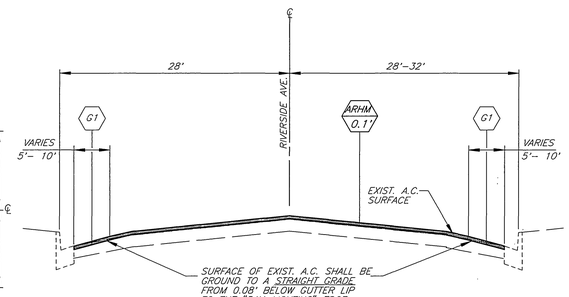
R-3470

SHEET 12 OF 14

FILE NO.

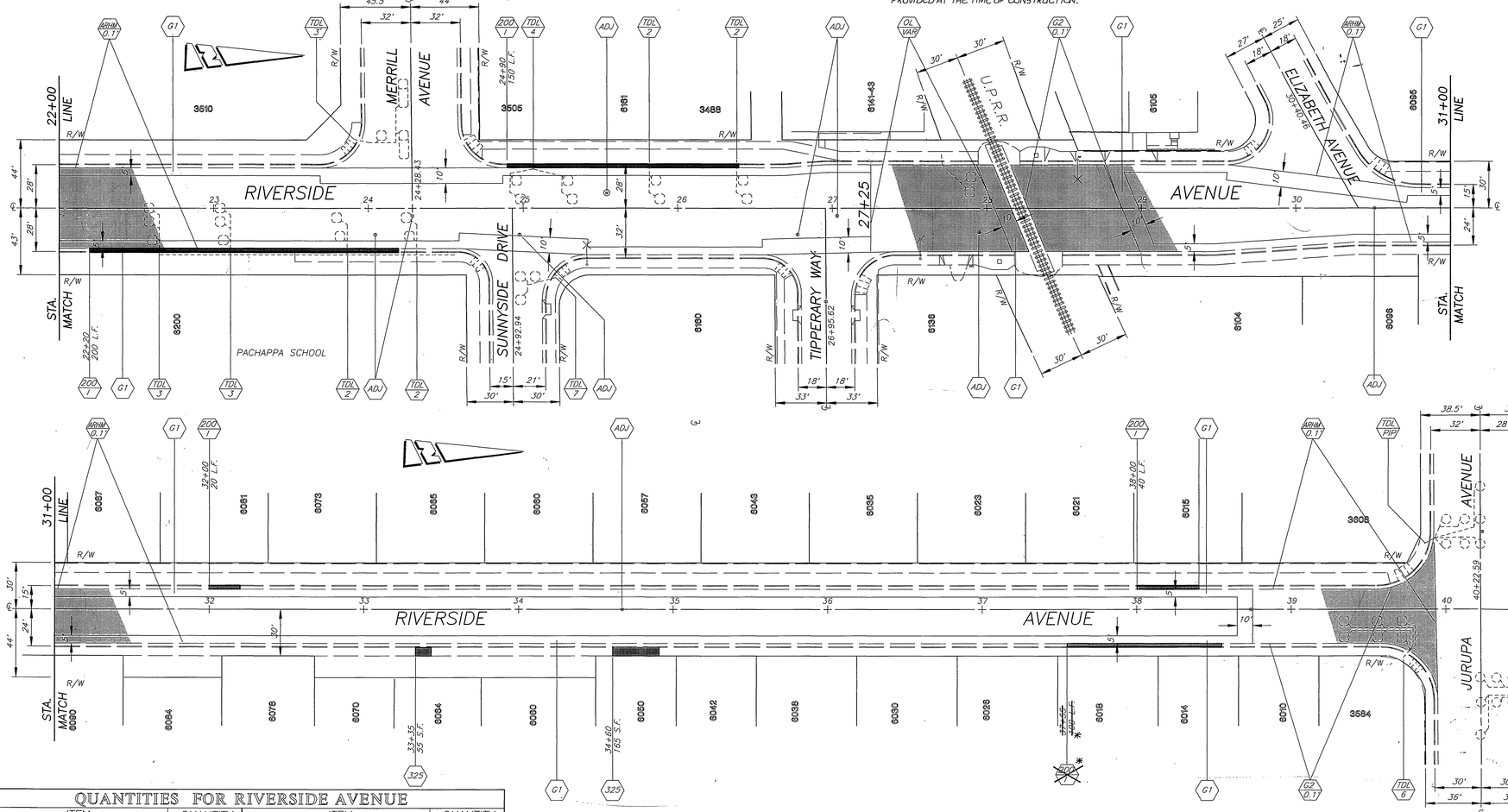
INDEXED 7/8/97 GH

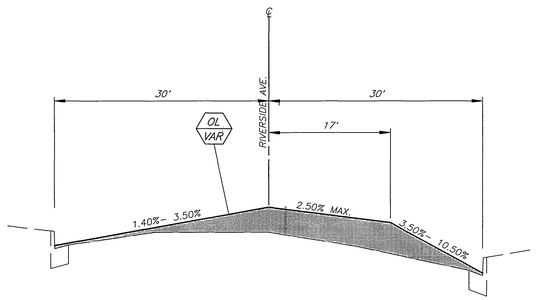




TYPICAL SECTION RIVERSIDE AVENUE CENTRAL TO U.P.R.R.

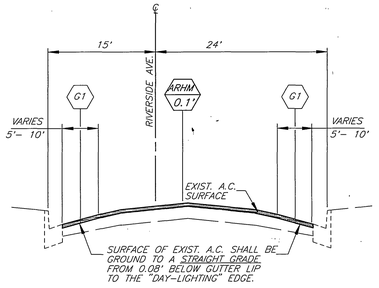
SCALE: HORIZ. 1"= 10'
VERT. 1"= 2'





TYPICAL SECTION RIVERSIDE AVENUE TIPPERARY TO UPRR

SCALE: HORIZ. 1"= 10'
VERT. 1"= 2'



TYPICAL SECTION RIVERSIDE AVENUE U.P.R.R. TO JURUPA

SCALE: HORIZ. 1"= 10'
VERT. 1"= 2'

SEE SH. 9 FOR CONSTRUCTION ON JURUPA AVENUE

QUANTITIES FOR RIVERSIDE AVENUE

ITEM	QUANTITY	ITEM	QUANTITY
COLD MILLING–TYPE I (5' WIDE)	3,848 L.F.	REPLACE VALVE BOX & COVER	3 EA.
COLD MILLING–TYPE I (10' WIDE)	736 L.F.	ADJUST WATER VALVE FRAME & COVER	10 EA.
COLD MILLING–TYPE II	8,378 S.F.	TWO WAY BLUE REFLECTIVE HYDRANT MARKER	3 EA.
CRACK FILL	7,000 L.F.	ASPHALT–RUBBER HOT MIX–GG (0.10')	1,151 TONS
CRACK REPAIR	800 L.F.	DETECTOR-LOOP INSTALLATION	37 EA.
R&R CURB & GUTTER, STD. 200, TYPE I	547 L.F.		
R&R P.C.C. SIDEWALK, STD. 325	251 S.F.	PAVEMENT PREPARATION	(0.80' THICK)
ADJUST S.D. & SEWER MANHOLE	13 EA.	A.C. PAVEMENT REMOVAL	59 ~~356~~ C.Y.
ADJUST WATER MANHOLE	1 EA.	A.C. PAVEMENT REPLACEMENT (DGAC)	120 ~~831~~ TONS

REGISTERED PROFESSIONAL ENGINEER
LAUREN F. CALDWELL
No. 39441
Exp. 12-31-97
STATE OF CALIFORNIA
CIVIL

MARK	REVISIONS	APPR.	DATE
1	REVISED PAVEMENT PREPARATION QUANTITIES	LC	5/15/97

DESIGNED BY RVZ DRAWN BY VJJ CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

	APPROVED BY	DATE
DEPUTY P.W. DIRECTOR	[illegible]	6/20/97
PRINCIPAL ENGINEER	[illegible]	6/20/97
TRAFFIC DIVISION		
SURVEYOR	MJD	6-18-97
STREET SERVICES		
PARKS DEPARTMENT		

APPROVED BY [signature]
PUBLIC WORKS DIRECTOR
DATE 6/20/97

REHABILITATION OF ARTERIAL STREETS' 1996-1997 STPL-5058 (###)

RIVERSIDE AVENUE
CENTRAL AVENUE TO JURUPA AVENUE

HORIZ. SCALE: 1" = 40'

*AS BUILT 9/3/99 RVM

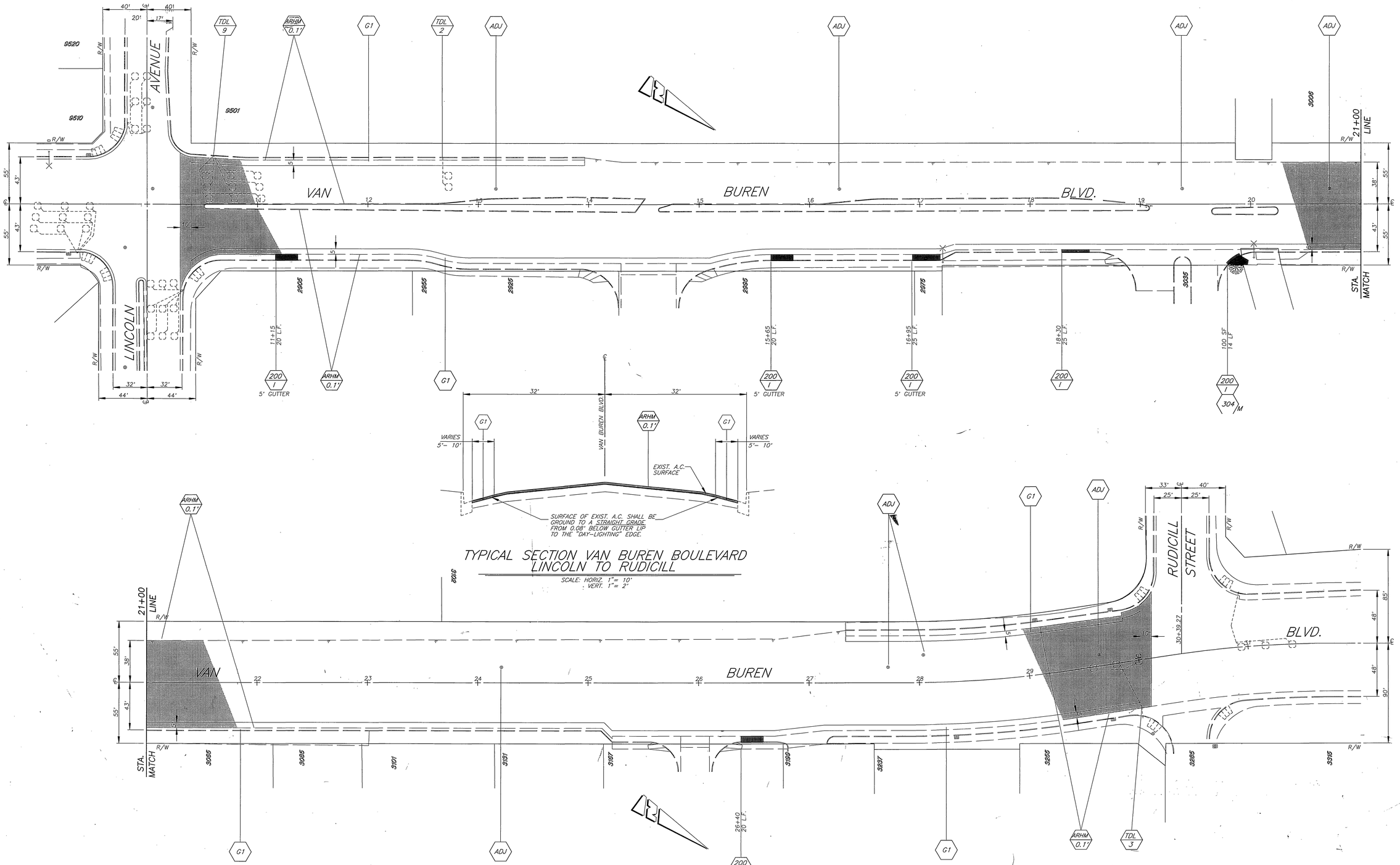
ACCT. NO. 430-541500-440125-30038

R-3470

SHEET 13 OF 14

FILE NO.

INDEXED 7/8/97 4TH



TYPICAL SECTION VAN BUREN BOULEVARD LINCOLN TO RUDICILL

SCALE: HORIZ. 1"= 10'
: VERT. 1"= 2'

QUANTITIES FOR VAN BUREN BLVD.

ITEM	QUANTITY	ITEM	QUANTITY
COLD MILLING–TYPE I (5' WIDE)	2,598 L.F.	REPLACE VALVE BOX & COVER	3 EA.
COLD MILLING–TYPE I (10' WIDE)	210 L.F.	ADJUST WATER VALVE FRAME & COVER	5 EA.
CRACK FILL	7,500 L.F.	TWO WAY BLUE REFLECTIVE HYDRANT MARKER	3 EA.
CRACK REPAIR	500 L.F.	ASPHALT–RUBBER HOT MIX–GG (0.10')	1,455 TONS
R&R C&G, STD. 200– TYPE I (2' GUTTER)	39 L.F.	DETECTOR LOOP INSTALLATION	14 EA.
R&R C&G, STD. 200– TYPE I, (5' GUTTER)	85 L.F.		
R&R P.C.C. SIDEWALK, STD. 325	100 S.F.	PAVEMENT PREPARATION	(0.60' THICK)
		A.C. PAVEMENT REMOVAL	756 ~~1,467~~ C.Y. ⚠
ADJUST S.D. & SEWER MANHOLE	8 EA.	A.C. PAVEMENT REPLACEMENT (DGAC)	1530 ~~2,970~~ TONS ⚠
ADJUST WATER MANHOLE	0 EA.		

REGISTERED PROFESSIONAL ENGINEER
LAUREN F. CALDWELL
No. 39441
Exp. 12-31-97
STATE OF CALIFORNIA
CIVIL

MARK	REVISIONS	APPR.	DATE
⚠	REVISED PAVEMENT PREPARATION QUANTITIES	LC	7/7/97

DESIGNED BY R.G. FANN DRAWN BY _____ CHECKED BY _____

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	[illegible]	7/8/97
PRINCIPAL ENGINEER	LC	7/7/97
TRAFFIC DIVISION –		
SURVEYOR	[illegible]	6-18-97
STREET SERVICES		

APPROVED BY _____
PUBLIC WORKS DIRECTOR
DATE 6/20/97

REHABILITATION OF ARTERIAL STREETS 1996-97 STPL-5058 (044)

VAN BUREN BLVD. LINCOLN AVE. TO RUDICILL ST.

HORIZ. SCALE: 1" = 40'

AS BUILT 9/3/99 RM

ACCT. NO. 430-541500-440125-30038

R-3470

SHEET 14 OF 14

FILE NO.

INDEXED 7/8/97 LFH